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DAMAGE TO BOOKS

Readers are reminded that under the provisions of the Canadian Criminal Code any wilful damage to property constitutes a criminal offence for which severe penalties can be inflicted.

Minor damages render the offender liable to a fine of $20.00, and he is also bound to compensate the owner up to a limit of $20.00. Refusal to pay these sums is punished with imprisonment up to two months. (Sections 539-540).

More serious damage can be visited with a term of imprisonment up to two years. (Section 510-E).

McGILL UNIVERSITY

MONTREAL



FACULTY OF MEDICINE

1945-1946 - 50

MEDICAL
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McGILL UNIVERSITY

MONTREAL, CANADA

GENERAL INFORMATION

1945 - 1946

ADMISSION TO THE UNIVERSITY

1. Entrance Requirements.

The entrance requirements of the various faculties and schools of the University are given in the General Announcement, and in the separate announcements of these faculties and schools. These announcements may be obtained from the Registrar's Office.

2. Special Entrance Requirements for Ex-Service Men and Women

Ex-Service men and women should write to the Registrar's Office for information on the special entrance requirements that apply to them. When writing they should give details, as full as possible, of previous training and future academic ambitions. For details of the rehabilitation grants for veterans, see p. 91.

3. Application Forms.

Application forms for admission to the faculties of Arts and Science (including the school of Commerce), Engineering, Medicine, and Dentistry, and to the School of Physical Education may be obtained from the Registrar's Office. Applications for admission to other faculties and schools should be made to the deans of the faculties or the directors of the schools concerned. All application forms give details of the certificates and records applicants must submit.

4. Admission to the University.

The admissions policy of the University is definitely selective and no guarantee can be given that a student who has complied with the minimum entrance requirements will be admitted. Students, therefore, should never come to the University until they have received an official acceptance of their applications.

5. Inquiries.

The Registrar will be pleased to answer inquiries concerning the University and to give advice to anyone who contemplates applying for admission.

LIBRARY
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68496

NATIONAL SELECTIVE SERVICE REGULATIONS

During the war all university students have been subject to the National Selective Service regulations of the Dominion Department of Labour. Full instructions will be issued to all students at the beginning of the next academic year concerning any regulations of the Dominion Government that may then be in force.

IMMIGRATION

All students entering Canada to attend courses at the University should obtain from the Registrar's Office an official letter of acceptance and should present this to the immigration authorities at the port of entry.

British Students.

British students do not require passports to enter Canada but may require them if they wish to return and they are therefore advised to obtain them before leaving for Canada.

American Students.

American students do not need passports. They must, however, bring with them evidence of their American citizenship such as their birth certificate, baptismal certificate, naturalization certificate, or passport. They should register on arrival with the American Consulate General. Students coming from the United States of America who are not citizens of that country should carry evidence that they are legally in the United States, and prior to their return should obtain a re-entry permit from the American Immigration Department.

Other Students

All other students should carry passports.

Reference: Department of Mines and Resources, Memorandum No. 595335—Imm.

HEALTH SERVICE

Medical Examination.

To promote their physical welfare all men and women students in the University are required to be medically examined at the beginning of every session. There are no exceptions to this rule.

The medical examinations are conducted daily for a period of about two weeks at the beginning of the session. Subsequently special periods may be arranged for students who register late. The hours of all examination periods are announced on the notice boards throughout the University at the beginning of the Session.

Any student who fails to be examined during the regular period of medical examinations is fined $5.00. If the student does not report for examination during the week following the regular period, the fine is increased to $10. If after another week he has not reported, he is suspended from the University.

Re-examinations are held frequently throughout the session for those students who are of low category or who are suffering from physical disability.

Students may take part in competitive athletics or other forms of exercise only if considered physically fit to do so by the University's medical officers.

VACCINATION.

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of succesful vaccination within seven years, or of insusceptibility to vaccine within five years.

Students should be vaccinated before they come to college. If they do not comply with this Government requirement, the University Medica Officer will vaccinate them and will charge a fee of $5.00. Failure to be vaccinated before a certain date in the term will involve an additional fine of $5.00.

HEALTH SERVICE.

The object of the Department of Physical Education is to make and keep the students physically fit. To this end numerous voluntary activities are organized so that every student may participate in some form of physical activity and recreation.

Provision is made by the Department for the care of the health of undergraduates *during the session* but not during vacations. If a student's admission to hospital is requisioned for by the Department, but not otherwise, one half of all public ward charges is paid by the University, provided that the total obligation assumed by the University does not exceed $125 in any one session for any one student. Should a student desire private accommodation, the difference in cost must be borne by him. A student who receives treatment by a private practitioner without having first obtained a requisition form from the Department, must bear all expenses involved. A student who has received medical attention as the result of sickness or injury must be declared fit by the University Medical Officer before he may resume participation in University physical activities.

The University's contribution towards hospital expenses is made only when the illness or other condition requiring hospital treatment was not present or was unknown or undetected at the time of admission.

The University is not responsible for damages of any kind resulting from accidents or athletic injuries which may occur or for the medical or

hospital expenses incurred by any person suffering an accident or athletic injury. If, however, in any such case, a recommendation is made in writing by the Department of Physical Education, but not otherwise, the University may pay the whole or such portion of the medical or hospital expenses as is covered by such written recommendation. All cases of athletic injury requiring medical treatment or hospital accommodation must be reported immediately to the Director or the University Medical Officer. In cases of emergency the Royal Victoria Hospital or the Montreal General Hospital accepts cases but these must be reported to the Department of Physical Education, as well as to the Athletics Manager, within forty-eight hours.

No dental treatment is supplied by the University.

A leaflet concerning health service and the general work of the Department is given to every student at the beginning of the session.

Partial students are entitled to the above services on payment of a special fee.

BOARD AND RESIDENCE

I. For Men

Douglas Hall.

Douglas Hall, the University residence for men, was opened in September, 1937. It is built on the staircase plan, each student normally having his own study-bedroom and sharing a sitting room with two other men, the three study-bedrooms and the sitting room forming a self-contained and separate suite. There are also a limited number of separate study-bedrooms. Meals, under the supervision of a qualified dietitian, are served in the attractive refectory and residents have in addition the use of adequare common rooms, play rooms, etc. Application forms may be obtained from the Warden's Office, and should be submitted before June 1st in each year, accompanied by a Room Deposit of $10.00.

Normal Fees for Board and Residence:

Engineering and Architecture	$435.00
Arts, Science, Commerce and Law	475.00
Dentistry and Medicine	550.00

One half the fee is payable at the beginning of the session, and the balance on February 1st.

Students who are in residence for any additional period are charged extra at the rate of $2.00 per day.

Due to limited accommodation junior students may be required to share a study-bedroom, in which case a rebate of $40.00 on the normal fee will be allowed.

LODGINGS.

Before the opening of the session each year a list of Approved Lodgings which have been inspected by a representative of the University is issued by the Lodgings Committee. This List which gives details of rooms, meals, prices, etc., may be consulted in the Registrar's Office, the Students' Union, and other University Buildings. The list is not sent by mail.

The cost of board and lodging in approved rooms varies from $50 to $75 per month. Separately, good board costs from $35, and a room from $20 upwards per month.

Board is furnished in the McGill Union at low rates.

Board and lodging for men may also be obtained in the Diocesan College, which is affiliated with the University.

II. FOR WOMEN

THE ROYAL VICTORIA COLLEGE

The present building of the Royal Victoria College was erected in 1899 under the terms of the endowment created by the late Rt. Hon. Baron Strathcona and Mount Royal for the education of women at McGill University. The extension was built in 1930-31 and adjoining land has recently been acquired for the purpose of providing additional facilities.

All women undergraduates registered at McGill University are automatically members of the Royal Victoria College, whether in residence or not, and are required by the University to complete the supplementary registration forms of the Royal Victoria College.

The activities of all women students center in the college, which contains a separate library, gymnasium facilities, health offices and accommodation for the Women's Union, as well as residential quarters and the Warden's office.

The Warden has general supervision over all the academic activities of the women students. Under the University statutes, she is responsible for "the preservation everywhere of the good character and good name of the College." To this end she has jurisdiction over all women's extra-curricular activities.

RESIDENCE

To be eligible for residence students must have fulfilled all the entrance requirements of McGill University, have been officially accepted for a full course leading to a degree or diploma and have complied with the health regulations (see paragraph on health).

Admission to residence is based upon scholarship, character, health and general promise.

APPLICATION.

Application forms may be secured either from the Registrar's Office of the University or from the College, and when completed should be addressed to the Warden, Royal Victoria College, McGill University, Montreal. It is to the candidate's advantage to make application early and in any case by May 15th. (Students should not await the results of their matriculation examinations before applying.) While the date of application is not considered in the selection of candidates, rooms are assigned to those accepted in the order in which forms are received.

RESIDENCES.

The College has accommodation for 135 students only, but residence with board for approximately 60 students will be available at Strathcona Hall, a residence building one block west of Royal Victoria College on Sherbrooke Street, and at McLennan Hall on Ontario Avenue. McLennan Hall, formerly the home of Miss Isabella C. McLennan, and recently donated by her to the University, is within 10 minutes walking distance of the College. Breakfast is served at the Hall and other meals at Royal Victoria College.

OPENING AND CLOSING OF RESIDENCES.

Residence for new students in Arts, Science, Commerce, and Engineering opens on Wednesday, September 26th, when the mid-day meal is the first to be served. All women students new to the University should arrange to be in residence as from this date.

Residence opens for returning students on the first day of registration, September 28th. *Students of the three upper years will not be admitted before this date.*

All students except seniors are expected to leave in May within 48 hours of their last examination, seniors by the day after Convocation.

ROOMS AND FURNISHINGS.

In the Royal Victoria College there are 115 single rooms and 10 double rooms. The rooms are furnished with the following: couch bed, bedding and linen (2 blankets, pillow, sheets, pillow cases, bath towels, face towels), muslin curtains, small rug, bureau, desk, bookcase, chairs, waste-basket, and study lamp. Couch coverings and bureau scarves are not provided.

In Strathcona Hall there are 42 single rooms and 9 double rooms, with furnishings similar to Royal Victoria College.

At McLennan Hall the rooms are large and accommodate two or three students each, except for two single rooms. The furnishings include couch beds, bedding and linen (two blankets, pillow, sheets, pillow cases, bath towels, face towels), bureaus, desks, bookcases, chairs, waste-baskets, and study lamps. Couch coverings and bureau scarves are not provided.

RATES.

The charge for board and residence in Royal Victoria College is $450, and covers the period of the University session (Arts and Science) exclusive of the Christmas holiday. Students who are in residence for any additional period for purposes of instruction, practice teaching, or examinations are charged extra at the rate of $2.00 per day.

The charges for board and residence in Strathcona Hall are slightly lower than those of Royal Victoria College.

The charge for board and residence at McLennan Hall is $375 for the University session (Arts and Science) exclusive of the Christmas holiday. A charge of $12.00 per week will be made for any additional periods.

ROOM DEPOSITS.

A deposit of $20.00 is necessary in order to reserve a room for the next session and returning students should file a room application and make the deposit not later than June 1st.

The deposit will be refunded to any student who withdraws from residence before September 1st.

Rooms are not reserved for students whose standing at the end of the session does not entitle them to proceed to the next year.

RESIDENCE OUTSIDE THE COLLEGE.

Students not residing with their parents or guardians should apply for residence in the Royal Victoria College or Strathcona Hall or McLennan Hall or consult with the Warden with regard to living outside. A list of approved boarding houses with details of rooms, prices, etc., may be consulted at the Royal Victoria College. All women students living out of residence must obtain the Warden's written approval of their living arrangements and no student may change her lodging without the written consent of the Warden.

No sanction can be given to establishments of students in apartments or elsewhere unless such households are presided over by a parent or other responsible person approved by the Warden.

There is accommodation for meals at both Royal Victoria College and Strathcona Hall for a limited number of students in lodgings.

HEALTH.

The health of the resident students is in charge of the Residence Physician, Dr. R. H. M. Hardisty, and the Medical Health Officer for Women, Dr. Lyla Brown, who are assisted by the resident nurse.

No student who has an infectious illness or who comes from a house in which there has been an infectious illness may enter or return to the College unless the regulations of the Provincial Department of Health are observed. In all such cases the Warden must be notified and official

consent secured. All students entering the University for the first time are required according to Provincial regulations to present a certificate or other satisfactory evidence of successful vaccination within seven years, or of insusceptibility to vaccine within five years.

FEES

I. University Fees

These fees include all the regular charges of the University for tuition, health service, registration, libraries, laboratories, physical education, sports, games, and graduation. The only additional fees are (1) Caution Money which is returnable (*see page 89*) and (2) the Students' Society Fee (*see page 89.*)

Full-Time Regular Students.

Arts	$230.00
Science	250.00
Engineering	275.00
Medicine (British students)	375.00
Medicine (Non-British students)	475.00
Dentistry (British students)	325.00
Dentistry (Non-British students)	365.00
Law	250.00
Music	225.00
Library School	170.00
Commerce	250.00
Graduate Faculty	145.00 165.00*
School of Physical Education (Diploma Course)	215.00
School for Graduate Nurses	165.00
Physiotherapy	250.00

*The higher fee if laboratory courses are taken.

Conditioned Students.

Special fee for an additional course repeated or substituted (one full course or two half courses)	$10.00

Limited Undergraduates in the Faculty of Arts and Science.

First and Second Years, per course	$55.00
Other years, per course	65.00

Partial Students.

	Half Courses	Full Courses
Arts, Science and Commerce, per course	$30.00	$60.00
Engineering, per hour of instruction, per week	10.00	10.00

The maximum fee for a partial student is the full undergraduate fee.

Information concerning the fees payable by partial students taking other courses may be obtained from the Bursar's office.

Partial students pay $5.00 for Athletics and are entitled to use the outdoor facilities, tennis courts, rinks, etc. If they desire the full athletic and health service privileges of a regular student the fee payable is $20.00. Such students must be medically examined at the time of registration.

Partial students who pay the full undergraduate fee are entitled to the use of the Student Health Service and all facilities of the Department of Physical Education enjoyed by regular students.

PAYMENTS BY INSTALMENTS.

Fees may be paid in two instalments, one at the beginning of the session and one on the 1st of February following. For this privilege the fee (payable $2.50 with each instalment) is..... $ 5.00

II. SPECIAL FEES AND PENALTIES

Late registration (first week) extra	$ 5.00
Late registration (second week) extra	10.00
Late payment fee (after specified date)	2.00
Fine for late medical examination (*see page 93*)	5.00 or 10.00
Graduation *in absentia*	10.00
Duplicate Diploma	10.00
Certified copy of student's record	1.00
Additional copies (at same time)	.50
Certificate of exemption from Matriculation	2.00
Supplemental examinations, each paper	10.00
Rental of microscope (*for students in Dentistry*)	7.50

McGill graduates and graduates of other Universities may use the University Library on payment of an annual fee of $5.00.

III. CAUTION MONEY

Every student is required to make a deposit of $10 as Caution Money to cover damage to furniture, apparatus, books, etc. This amount, less deductions, is returned at the close of the session. Students in the Graduate Faculty taking Chemistry make a deposit of $20.00.

IV. STUDENTS' SOCIETY FEES

An annual fee of $10 ($11 in Engineering) is payable by all men undergraduates and an annual fee of $8 is payable by all women undergraduates for the support of student organizations.

Medical students pay an additional $2.00 for the Medical Journal.

The men's fee is distributed as follows: McGill Union $3.50; McGill Daily $1.50; Students' Executive Council $4.00; Undergraduate Society $1.00.

The women's fee is distributed as follows: Women's Union $2.50 McGill Daily $1.50; Students' Executive Council $4.00.

Fees for the use of the gymnasium, the rinks, and tennis courts, and free admission to all home games of University teams are included in the University Fees given on page 98.

REGULATIONS FOR PAYMENT OF FEES

1. Fees are due and payable at the Bursar's Office immediately after registration; exact dates are shown in the announcements of the various Faculties and Schools. A late fee of $2.00 is charged for payment after the specified dates.

2. The University does not issue bills for fees. Each student is required, at the time of registration, to complete a form giving full details of his fees for the session. This form provides a detailed statement to accompany remittances sent by mail.

3. Fees may be paid in two instalments, one at the beginning of the session, and one on February 1st following. In such cases the instalment fee of $5.00 is charged.

   1st Instalment

   Divide Tuition, Board and Residence, and Instalment Fees in half. All other fees and deposits are payable in full with first instalment.

   2nd Instalment

   Balance of Tuition, Board and Residence, and Instalment Fees.

4. Domicile in general determines whether a student pays the British or the Non-British fees in Medicine and Dentistry. A student who is uncertain which rate he is required to pay should consult the Registrar.

5. Students registering late pay their fees at the time of registration, failing which they become subject to the provisions of the following paragraph:

   Immediately after the prescribed dates for the payment of fees the Bursar will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

6. Further details concerning fees in the Faculty of Graduate Studies and Research are given in the announcement of that Faculty.

PART-TIME EMPLOYMENT

The Students' Council runs an Employment Agency which helps students to obtain summer work and, when possible, part-time work

during the session. Students taking a regular degree course generally have insufficient leisure to make heavy part-time work during the term advisable, and they are recommended not to rely upon earning any money while actually at college.

WAR SERVICE TRAINING

Full information concerning military training for men and the voluntary services programme for women will be issued at the beginning of the session.

SPORTS FOR MEN

Normally there is organized competition with other Canadian and American Colleges in sixteen or seventeen different sports, but intercollegiate athletics have been suspended for the duration of the present war. In their place the University has organized a wide programme of intra-mural competition and voluntary games. The Sir Arthur Currie Memorial Gymnasium, opened in 1939, provides accommodation for many indoor activities, while Mount Royal in Montreal, and the Laurentian Mountains north of Montreal, provide excellent skiing country. A student in good health thus has ample opportunities for exercise and pleasant recreation.

SPORTS FOR WOMEN

For women students there is a wide choice of voluntary sports and recreations including archery, basketball, dancing, gymnastics, skating, skiing, swimming and tennis. Special care is taken that no student undertakes any exercise for which she is physically unsuited.

GOVERNMENT GRANTS TO MEN AND WOMEN RETURNING FROM ACTIVE SERVICE

The following summary of grants made under the Post Discharge Re-Establishment Order, P.C. 5210, has been made by the Federal Department of Pensions and National Health:

UNIVERSITY TRAINING

I. UNDERGRADUATE—PARA. 8, P.C. 5210.

The Minister has authority to approve training, including maintenance grant and fees—together with appropriate allowances for dependents—to any discharged person who has the aptitude and inclination and who:

(*a*) has been regularly admitted to a university before his discharge and resumes within one year and three months after discharge a course, academic or professional, interrupted by his service, or

(*b*) becomes regularly admitted to a university and commences any such course within one year and three months after his discharge; or

(*c*) because of ill health or because his admission to the university has been conditional upon his fulfilling some additional matriculation requirements or for any other good reason shown to the satisfaction of the Minister, delays resumption or commencement of such course beyond the aforementioned periods.

The opportunity for university training is governed by the length of service. Where progress is satisfactory, the assistance may be continued for as many months, in university, as the man served in the Forces. If the student's progress and *attainments* in his course are such that the Minister deems it in his interest and in the public interest, the payment of the grant may be extended beyond the period of service to permit the man to complete his course.

However, the grant shall not be continued to any such person who fails in more than two classes or subjects in any academic year, nor to any such person who having failed in either one or two classes or subjects also fails in either or both supplementary examinations next offered by the university in such classes or subjects.

NOTE: "*Attainments*" means unconditioned standing in the top 25% (first quartile) of his class on the final examinations on the full work of the year next preceding the year in which his period of entitlement expires.

II. POST-GRADUATE—PARA. 9, P.C. 5210.

In case any discharged person

(*a*) *has entered upon a post-graduate course, either academic or professional, in a university before enlistment, or was about to do so at the time of his enlistment*, or having completed his under-graduate course in a university after his discharge, enters upon a post-graduate course as aforesaid, and

(*b*) resumes or commences such post-graduate course within

i. One year from his discharge, or

ii. one year from the commencement, next following his discharge, or such course in such university, if his discharge precedes such commencement by not more than three months, or

iii. in case of a discharged person who completes his under-graduate course after his discharge, as soon as may be after such completion,

if the Minister having considered such person's attainments and his course, deems it in the public interest that he should continue such course, the Minister may, subject to the provisions of this Order,

authorize the payment to such person of a maintenance grant and fees for as many months as he served. The assistance may be extended if the progress and *achievements* are so outstanding that it is in the public interest that the grant should be continued.

VOCATIONAL, TECHNICAL, OR OTHER EDUCATIONAL TRAINING—PARA. 6, P.C. 5210.

This makes provision for

(1) Resumption of education leading to high school graduation or matriculation.

(2) "Refresher" or "brush-up" courses in the professions.

The Minister has authority to approve training, including maintenance grant and fees—together with appropriate allowances for dependents—to any discharged person, provided he has the aptitude and inclination, where:

i. such person is pursuing vocational, technical or other educational training;

ii. the Minister approves such training as being training which will fit him or keep him fit for employment or re-employment or will enable him to obtain better or more suitable employment, and

iii. he makes progress in such training to the satisfaction of the Minister.

NOTE: This training is governed by the length of the man's service in the Forces, with a maximum of twelve months.

MAINTENANCE GRANTS

A "grant" under the provisions of paragraph 6, 8 or 9 of this Order means a grant at the rate of $60.00 per month in the case of an unmarried person and at the rate of $80.00 per month in the case of a married person, together with, in either case, such additional allowance for dependents, if any, as provided by subparagraph 3 hereof, and, in either case, reduced by such amount on account of any pension, wages, salary or other income such person may have received or be entitled to receive in respect of the period for which such grant is paid, as to the Minister seems right.

(Sub-para. 3) Additional allowance may be paid to or on behalf of the following dependents at the following rates per month and subject to the following conditions:

Additional allowance for person in lieu of wife	$20.00
Additional allowance for one child	12.00
Additional allowance for second child	12.00
Additional allowance for third child	10.00
Additional allowance for each subsequent child not in excess of three	8.00
Additional allowance for parent or parents	15.00

CALENDAR FOR THE SESSION 1945-46

1945

May 28th, Monday. Summer Session in the Faculty of Arts and Science begins.

May 30th, Wednesday. Convocation. No lectures.

June 28th, Thursday. French Summer School begins.

July 2nd, Monday. Dominion Day. No lectures.

August 10th, Friday. French Summer School ends.

August 17th, Friday. Lectures end in the Faculty of Arts and Science Summer Session.

August 20th, Monday. Examinations begin in the Arts and Science Summer Session.

September 4th, Tuesday. Students register in all years of Medicine and Dentistry. Public Health Nurses report for field work. Summer School in Mechanical Engineering begins. High School Diploma students report for training in the Department of Education. Last day for filing graduate theses for Autumn Convocation.

September 5th, Wednesday. Lectures begin in all years of Medicine and Dentistry. Seminars and field work begin for High School Diploma students. School Certificate Examinations begin.

September 10th, Monday. Supplemental Examinations begin in Arts and Science, Commerce, Engineering and Architecture. Students register in the School of Physical Education. Architectural Sketching School begins. Conservatorium of Music opens for practical work.

September 11th, Tuesday. Lectures begin in the School of Physical Education.

September 14th, Friday. Teaching and Supervision and Administration students report for field work in the School for Graduate Nurses.

September 15th, Saturday. Last day for reports on Ph.D. theses.

September 17th, Monday. Last day for reports on Masters' theses. Special Summer School in Surveying begins.

September 18th, Tuesday to September 22nd, Saturday. Final orals for Ph.D.

September 21st, Friday, and September 22nd, Saturday. Students register in the Library School.

September 24th, Monday. Lectures begin in the Library School.

September 27th, Thursday. Lectures begin in Music.

September 27th, Thursday. Freshman Day. Faculty of Arts and Science.

September 27th, Thursday, to September 29th, Saturday. Students register in Law

September 28th, Friday, and September 29th, Saturday. Students register in Arts and Science, Commerce, the School for Graduate Nurses, and the School of Physiotherapy.

September 28th, Friday. All students register in Engineering and Architecture.

October 1st, Monday. Lectures begin in Arts and Science, Commerce, Engineering, Architecture, Law, Agriculture, Household Science, Graduate Studies and Research, the School for Graduate Nurses, and the School of Physiotherapy.

October 1st, Monday. Last day for handing in summer essays in the Faculty of Engineering.

October 2nd, Tuesday. Last day for receiving candidates' applications and Sessional registration forms in the Dean's Office, Faculty of Graduate Studies and Research.

October 5th, Friday. Founder's Day Convocation.

October 6th, Saturday. Founder's Day.
(James McGill born October 6th, 1744, died December 19th, 1813.)

**Thanksgiving Day.* No lectures.

October 20th, Saturday. Last day for registration and payment of fees in the Faculty of Graduate Studies and Research, and for submitting certificates regarding summer employment in the Faculty of Engineering.

December 1st, Saturday, to December 8th, Saturday. Examinations in French and German for Ph.D. students.

December 14th, Friday. First term ends in the Library School.

December 18th, Tuesday, to December 21st, Friday. Examinations in the Library School.

December 20th, Thursday. Last day of lectures in all other Faculties and Schools.

1946.

January 3rd, Thursday. Lectures resumed in the Library School, and in Music.

January 4th, Friday. Lectures resumed in Medicine, Dentistry, Law, and Graduate Studies.

January 4th, Friday, to January 8th, Tuesday. First term examinations in Arts and Science, Commerce, Engineering, Architecture, Physical Education, and the School for Graduate Nurses.

January 5th, Saturday. First term ends in Law.

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*Thanksgiving Day will be a University Holiday. The date will be proclaimed later by the Dominion Government.

January 7th, Monday. Second term begins in Law.

January 9th, Wednesday. Second term begins in Arts and Science, Commerce, Engineering, Architecture, Physical Education, and the School for Graduate Nurses.

February 11th, Monday. Founder's Day at Macdonald College. (Sir William Macdonald born February 10th, 1831, died June 9th, 1917.)

March 21st, Thursday, to March 29th, Friday. Library School trip.

April 5th, Friday. Lectures end in all years of Engineering and Architecture.

April 9th, Tuesday. Examinations begin in all years of Engineering and Architecture.

April 18th, Thursday. Last day for filing Ph.D. theses. Lectures end in all Faculties and Schools except Medicine, Dentistry, the Library School and Music.

April 19th, Friday, to April 22nd, Monday (inclusive). Easter vacation.

April 24th, Wednesday. Last day for filing Masters' theses not involving experimental work. Examinations begin in the Theory of Music.

April 24th, Wednesday. Examinations begin in Arts and Science, Commerce, Law, Physical Education, Agriculture, Household Science, and the School for Graduate Nurses.

May 2nd, Thursday. Practical examinations begin in Music.

May 3rd, Friday. Examinations begin in Higher Theoretical Music. Lectures end in the Library School.

May 4th, Saturday. Lectures end in Music. Last day for filing Masters' theses involving experimental work.

May 7th, Tuesday. Examinations begin in the Library School.

May 9th, Thursday. Last day for reports on Ph.D. theses and for reports on graduate examinations.

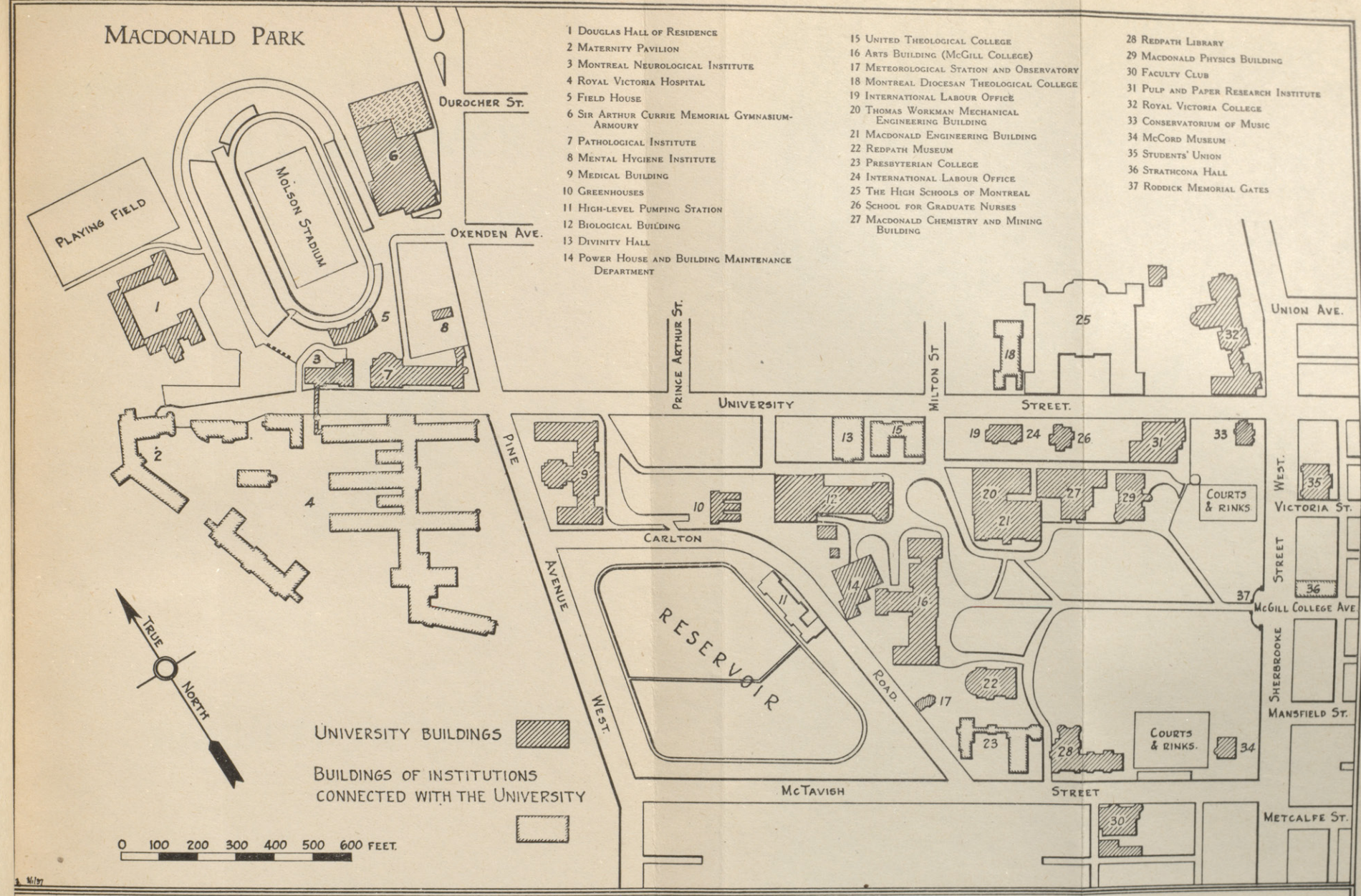
May 11th, Saturday, to May 18th, Saturday. Final orals for Ph.D.

May 13th, Monday, to May 25th, Saturday. Practice work in the Library School.

May 15th, Wednesday. Last day for reports on Master's theses.

May 29th, Wednesday. Convocation.

June 17th, Monday. School Certificate Examinations begin.



McGILL UNIVERSITY—PLAN OF GROUNDS

McGILL UNIVERSITY

MONTREAL



FACULTY OF MEDICINE

1945-1946

TABLE OF CONTENTS

	Page
Administrative Officers	485
Admission to Medicine	487
Alpha Omega Alpha Honorary Medical Society	536
Anatomy	497
Anæsthesia	516
Bacteriology	502
Biochemistry	500
Board and Lodging	490
Buildings	530
Bursaries	495
Clinical Therapeutics	506
Course for the Degree of M.D., C.M.	491
Courses of Instruction	497
Dermatology	506
Diploma of Public Health	527
Diploma of Tropical Medicine	528
Dominion Registration	496
Embryology	499
Endocrinology	526
Entrance Requirements	487
Equivalent Standing in Medicine	487
Examinations	492
Fees	489
Fellowships	495
General Council of Medical Education	497
Grading	494
Graduate and Advanced Courses	527
Gynæcology	521
Health Service	490
Health and Social Medicine	504
Histology	498
Hospitals	532
Immunity	502
Institute of Endocrinology	526
Library	534
Loan Fund	495

	Page
Medals	495
Medical Jurisprudence	507
Medical Societies	535
Medicine	506
Microscopes	490
Microscopic Anatomy	498
Neurology and Neurosurgery	514
Obstetrics	520
Ophthalmology	522
Orthopædic Surgery	516
Osler Library	534
Osler Society	536
Oto-Laryngology	523
Parisitology	503
Pathology	501
Pædiatrics	513
Pharmacology	504
Physiology	499
Prizes	495
Promotion	494
Psychiatry	511
Radiology	524
Reciprocity with Great Britain	497
Registration	488
Requirements for Degree of M.D., C.M.	495
Requirements for Licence	495
Research Institute of Endocrinology	526
Scholarships	495
Surgery	516
Therapeutics	504
Undergraduate Medical Society	535
Urology	516
Veterinary Public Health	528

McGILL UNIVERSITY

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

Principal ..... F. Cyril James, Ph.D., D.C.L.

Dean of the Faculty ..... J. C. Meakins, C.B.E., M.D., F.R.C.S., F.R.C.P., F.R.S.C.

Secretary of the Faculty ..... J. F. McIntosh, B.A., M.D., C.M.

Bursar ..... W. Bently, C.G.A., A.C.I.S.

Registrar ..... T. H. Matthews, M.A.

University Librarian ..... Gerhard R. Lomer, M.A., Ph.D., F.L.A.

Honorary Medical Librarian ..... R. L. Stehle, M.A., Ph.D.

Osler Librarian and Director of the Museum of the History of Medicine ..... W. W. Francis, A.B., M.D.

Assistant Secretary of the Faculty ..... Miss G. D. Mudge.

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate announcement, which may be obtained from the Registrar's Office. The announcement also contains the names of members of the staff on active service.

FACULTY OF MEDICINE

The one hundred and thirteenth session of the Faculty will open on September 5th, 1945, for students of the 1st year.

REQUIREMENTS FOR ENTRANCE

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof), including courses in the following subjects: Physics, one year with laboratory work; Biology, one year of General Biology or Zoology with laboratory work; half year of Botany and half year of Zoology will be accepted, but not one year of Botany alone; Chemistry, two full courses, including one full course of Organic Chemistry with laboratory work. Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body where they wish to practise.

EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than March 1st.

A fee of $25.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Tuesday, September 4th, 1945. Those who register after this date will be required to pay a late registration fee of $5.00 if they register during the first week of the session and $10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

FEES

UNIVERSITY FEES

1. Regular Students.

Annual fee for British students	$375.00
By instalments: each of two instalments	190.00
Annual fee for Non-British students	475.00
By instalments: each of two instalments	240.00

2. Repeating a Year.

British students repeating a year pay	375.00
Non-British students repeating a year pay	475.00

3. Partial Students.

Qualified students may be admitted as partials to one or more courses on payment of special fees.

4. Ad Eundem Fee.

Students entering any year above the first pay a special *ad eundem* fee of $10.00

5. Diploma of Public Health Fees.

The fee for the graduate course in Public Health, including laboratory and outdoor work, as well as student Health Service fee, is $155.00 for British and $205.00 for non-British students.

6. Caution Money.

Payable by every student, and returned, less deductions for damage, loss, etc., at the end of the session $10.00

STUDENT FEES

Fees for the Support of Student Organizations.

Regular students (men)	$12.00
Regular students (women)	10.00
Partial students	5.00

DATES OF PAYMENT

Fees are due and payable at the Bursar's Office between the hours of 9 a.m. and 4 p.m. on the following dates:—

Tuesday, September 4th, to Thursday, September 6th, inclusive, or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional $2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration failing which they become subject to the provisions of the above paragraph.

Fees for students in the Fourth Year of the accelerated course are payable at the Bursar's Office on Tuesday, September 4th, to Thursday, September 6th, inclusive. If desired, these fees may be paid in two instalments, due in September and February upon payment of the instalment fee of $5.00. If additional instalments are desired special arrangements should be made with the Chief Accountant. Students eligible to receive their diplomas at the Fall Convocation in October must pay all fees before that date, as otherwise the diploma will be withheld. Immediately after the prescribed dates for the payment of fees the Bursar will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Bursar.

All fees of Canadian and British Empire students are payable in Canadian Currency. Fees of students from the United States are payable in U.S. dollars, upon which the current premium of 10% will be allowable.

Domicile will in general determine whether a student pays the British or Non-British fees. A student who is uncertain which rate he will be required to pay should consult the Registrar.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

Microscopes

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine. Suitable microscopes may be secured through the University, either by outright purchase or on an annual rental basis. If the student desires at a later date to purchase the instrument which he has been using, the rental fees are credited to his account.

BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement (page 84 to 89).

HEALTH SERVICE

For details of the Health Service and Medical Examinations see the General Information Pamphlet included in this Announcement (page 82).

COURSES FOR THE DEGREE OF M.D., C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

a. four years of medical study in the University leading to the degree of M.D., C.M.; and

b. one year of interneship in an approved hospital.

OR

one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

While the Faculty Administration exercises a general supervision of arrangements for interneships, the Faculty of Medicine assumes no responsibility to provide an interneship for any student.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are three sessions of thirty-six weeks each and one session (final session) of thirty-two weeks, all exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day) and continue until the first week of June in the first three years and to the first week in May in the final year.

The academic session is divided into four terms in the first and fourth session and into three terms in the second and third sessions. The minimal period of study for the degree of M.D., C.M., is, therefore, four sessions of study comprising one hundred and forty weeks exclusive of examination periods.

Deceleration of the Medical Course.

The introduction of summer terms to accelerate the graduation of medical students was introduced as a "war measure" in 1942. Classes admitted in September, 1943 and subsequently, have returned to the pre-war schedule outlined in a previous paragraph.

The arrangement of the principal subjects of instruction is usually as follows:

First Session:

Anatomy (including Histology and Embryology), Physiology, Biochemistry, Psychobiology and Medical Sociology, Introduction to Medicine.

SECOND SESSION:

Pharmacology, General Pathology, Bacteriology and Immunology, Parasitology, Laboratory Diagnosis, Medicine, Surgery, Obstetrics, Health and Social Medicine, Psychiatry.

THIRD SESSION:

Special Pathology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynæcology, Pædiatrics, Psychiatry, Therapeutics, Ophthalmology, Oto-laryngology, Medical Jurisprudence, Radiology.

FOURTH SESSION:

Medicine,* Surgery,* Obstetrics and Gynæcology, Psychiatry, Pædiatrics, Ophthalmology, Otolaryngology, Radiology.

*In these subjects are included the following:—

Medicine—Dermatology, Neurology, Clinical Therapeutics.

Surgery—Orthopædics, Urological Surgery, Neurosurgery, Anæsthesia.

EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely, major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology), Histology, Physiology, Biochemistry, Pharmacology, Bacteriology and Immunology, Pathology, Health and Social Medicine, Pædiatrics, Medicine, Surgery, Obstetrics, and Gynæcology, Psychiatry.

Minor examinations include the final examinations in Parasitology, Medical Jurisprudence, Ophthalmology, Otolaryngology, Radiology and examinations preliminary to the final major examinations.

A student who fails in any major examination will be required before he sits a supplemental examination to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplemental of one (or two) minor examination may proceed with other subjects in the following year, carrying such subject as a condition, but may not sit any subsequent major ex-

aminations until such conditions have been removed, nor may more than two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in examinations, except on special recommendation of the Promotion Committe, acting upon the motion of the representatives on the committee of the department concerned.

A student who has been permitted to repeat his year shall be required to make a C+ grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

A schedule of the times of major and minor examinations shall be published as a supplement to these ordinances at the beginning of each academic session.

Examinations, tests, reviews, etc., may be held during the session by any department in its time of instruction, provided that no more than twenty-four (24) hours' notice is given. It is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know how he is progressing in his studies.

There shall be two Promotion Committees. The First Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Bacteriology, Parasitology, Pathology, and Endocrinology, appointed by the Dean, and the Dean and Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the first and second years. The second Committee shall consist of representatives of the Departments of Pathology, Bacteriology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynæcology and Pædiatrics, appointed by the Dean, and the Dean and Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the third and fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.

C. GRADING

At the conclusion of each course, students are graded in five groups, as follows:—

A = Excellent
B = Good
C = Fair
D = Doubtful
E = Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

The grade assigned to a student is based upon the results of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

FELLOWSHIPS, SCHOLARSHIPS, BURSARIES, MEDALS, PRIZES, AND LOAN FUNDS

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund may be found in the Scholarships Announcement.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.

2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 491).

3. No one is permitted to become a candidate for the degree who has not attended at least one full session at this University.

4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.

5. He must have attended during at least three sessions of nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.

6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.

7 Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right

of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained. This has been changed to four years as a war-time measure.

N.B.—In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

Quebec—Dr. J. Paquin, 1896 Dorchester St. West, Montreal.

Ontario—Dr. Robert T. Noble, 566 University Ave. Toronto, Ont.

New Brunswick—Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

Nova Scotia—Dr. H. L. Scammell, 196 Atlantic St., Halifax, N.S.

Prince Edward Island—Dr. I. J. Yeo, Charlottetown, P.E.I.

Manitoba—Dr. W. G. Campbell, 605 Medical Arts Building, Winnipeg, Man.

Alberta—Dr. George R. Johnson, 336 8th Ave. W., Calgary, Alta.

Saskatchewan—Dr. A. W. Argue, 307 Birks Bldg., Saskatoon, Sask.

British Columbia—Dr. A. J. MacLachlan, 203 Medical-Dental Building, Vancouver, B.C.

The Registrar for Newfoundland is Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

COURSES OF INSTRUCTION

ANATOMY

Robert Reford Professor and Chairman of the Department	C. P. Martin
Associate Professor of Histology	H. Selye
Assistant Professors of Anatomy	D. S. Forster S. M. Friedman
Assistant Professor of Histology	C. P. Leblond*
Lecturer in Anatomy	E. W. Workman
Sessional Lecturer in Anatomy	R. M. H. Power
Sessional Lecturers in Histology	Eleanor Beland Octavia Hall
Demonstrators in Anatomy	G. E. Perrigard Campbell Gardner
Demonstrators in Histology	Constance Friedman Eric Hall Georges Masson Keith Yonge F. C. Fraser
Research Associate	Eleanor C. Hay
Research Fellows	Hans F. Jensen G. M. C. Masson

Required Courses

1 Gross Anatomy.

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the First Medical Year.

*On military service.

2. APPLIED ANATOMY.

One hour per week lecture and demonstration during the Winter and Spring terms of the Third Medical Year This course is conducted mainly by clinicians from the Royal Victoria and Montreal General Hospitals.

(Suspended for duration of the war.)

Text-books:—Gray's "Anatomy" (English Edition) or Cunningham's "Text-Book of Anatomy."

Practical Manuals:—Cunningham's "Manual of Practical Anatomy;" Johnston's "Synopsis of Regional Anatomy."

Optional Texts:—Quain, Piersal, Spalteholz Atlas, Fraser's "Anatomy of the Human Skeleton," Buchanan, Fraser and Robbins, Larsell, Ramson .

ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

3. ADVANCED NEURO-ANATOMY.

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton, assisted by Dr. Kershman. The class is limited to ten. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

4. PHYSICAL ANTHROPOLOGY.

Lectures and practical courses will be arranged for students when required.

MICROSCOPIC ANATOMY

REQUIRED COURSE

5. HISTOLOGY.

The study of the histological structure of the body. Two hours lectures and six hours laboratory work per week during the first 28 weeks of the First Medical Year.

Text-book:—Bailey, "Text-Book of Histology."

Optional Texts:—Cowdry, Lewis, and Bremer, Jordan, Maximow and Bloom (Schafer).

ELECTIVE COURSE

6. EXPERIMENTAL MORPHOLOGY.

Bi-weekly seminar. In this course current problems and discoveries in Experimental Morphology are discussed by members of the staff and graduate students.

EMBRYOLOGY

Required Course

7. The Study of Human Developmental Anatomy.

One hour per week lecture and three hours per week laboratory work during second half of the First Medical Year.

Text-book:—Arey, "Developmental Anatomy."

Optional Texts:—Jordan, Simkins, Bailey and Millar, Keith, Fraser.

PHYSIOLOGY

Joseph Morley Drake Professor and Chairman of the Department	H. E. Hoff
Research Professor	B. P. Babkin (Post Retirement).
Associate Professor	N. Giblin
Assistant Professor	S. Dworkin
Lecturers	Ronald Grant Kathleen Terroux
Demonstrators	Rhoda Grant Armine Alley

Required Courses

1. First Year Lectures.
Tuesday, Thursday, Saturday, at 9 a.m. (beginning in October).

1P. First Year Laboratory.
Three hours a week during last 32 weeks.

2. Second Year Lectures.
Monday, Wednesday, Friday, at 9 a.m., Autumn and Winter Terms.

2P. Second Year Laboratory.
Six hours a week and laboratory demonstration. Autumn Term.

Text-books:—

Systematic Physiology—Human.
Howell, Textbook of Physiology; Starling (and Evans), Human Physiology; MacLeod (and Bard), Physiology in Modern Medicine.

Clinical Physiology.
Samson Wright, Applied Physiology; Wiggers, Physiology in Health and Disease: Best and Taylor, Physiological Basis of Medical Practice.

Other Courses

(Available only for students who have obtained Honours in the Required Courses, and by application to the Chairman of the Department.)

3. Advanced Lectures.

3P. Advanced Laboratory

BIOCHEMISTRY

Professor and Chairman of the Department . . . . . D. L. Thomson

Associate Professor . . . . . R. D. H. Heard

Assistant Professor . . . . . O. F. Denstedt

Sessional Lecturer . . . . . H. Sobel

Research Associate . . . . . Dorothy Osborne

Courses Offered in Biochemistry

First Year.

Biochemistry 1. Mon., Wed., Fri., at 9 a.m. (beginning in October).

1L. Laboratory: Three hours a week during last 32 weeks.

Dr. Thomson.

Text-books:—Bodansky, "Introduction to Physiological Chemistry" (Wiley); Cameron, "Text-book of Biochemistry" (Macmillan); Williams, "Text-book of Biochemistry" (van Nostrand); Schmidt and Allen, "Fundamentals of Biochemistry" (McGraw-Hill).

Second Year.

Nutrition, 10 lectures, in the first term of the second year.

Dr. Thomson.

Biochemistry 2, Endocrinology. 25 lectures, from October to April in the second year.

Dr. Heard.

Other courses offered by the Department are listed in the Announcements of the Faculties of Arts and Science, and of Graduate Studies and Research.

PATHOLOGY

Strathcona Professor and Chairman of the Department ..... G. Lyman Duff

Associate Professor ..... Theo. R. Waugh

Assistant Professors : ..... John D. Hamilton, J. E. Pritchard

Lecturers ..... R. H. More, W. H. Mathews, F. W. Wiglesworth

Demonstrator ..... C. R. McLean

Sessional Demonstrators ..... Eleanor Mackenzie, M. A. Simon

Fellows ..... G. C. McMillan, John D. Palmer, D. C. Wilson

Required Courses

1. Course in General Pathology (Second Year).

   A. Two lectures per week (with epidiascopic and microscopic demonstrations) during the Winter and Spring terms (52 lectures).
   Professor Duff.

   B. Two practical laboratory classes per week during the Spring Term (80 hours practical work).
   Professor Duff, Professor Hamilton and Demonstrators.

2. Course in Special Pathology (Third Year).

   A. Two lectures per week during the Autumn, Winter and Spring Terms (72 lectures).
   Professor Duff, Professor Waugh, Professor Hamilton and Lecturers.

   B. Two practical laboratory classes per week during the Winter and Spring Terms (96 hours practical work).
   Professor Duff and Staff.

   C. One demonstration of gross pathological material per week to students in small groups of 15 each, during Autumn, Winter and Spring Terms (36 hours).
   Professor Hamilton, Dr. More and Dr. Simon.

3. Course in Applied Pathology (Third and Fourth Years.)

   A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter and Spring Terms (36 hours) ..... Professor Duff.

B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter and Spring Terms. Time according to material.
Pathological Institute.....Professor Duff and Dr. More.
Montreal General Hospital....Dr. Pritchard and Dr. Mathews.
Children's Memorial Hospital.Dr. Wiglesworth and Dr. Eleanor MacKenzie.

Text-books:—MacCallum, A Text-Book of Pathology (Saunders); Karsner, Human Pathology (Lippincott); Boyd, Text-Book of Pathology (Lea & Febiger); Muir, Text-Book of Pathology (Arnold); Moore, Text-Book of Pathology (Saunders);

Reference Books.

General:—Bell, Text-Book of Pathology (Macmillan); Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Forbus, Reaction to Injury (Williams & Wilkins); Reimann, Kaufmann's Pathology (Blakiston); Smith & Gault, Essentials of Pathology (Appleton Century); Ewing, Neoplastic Diseases (Saunders); Willis, The Spread of Tumours in the Human Body (Churchill);

Special:—Naegeli, Blutkrankheiten und Blutdiagnostik, (Julius Springer); Whitby & Britton, Disorders of the Blood (Churchill);
Biggart, Pathology of the Nervous System (Livingstone);
Buzzard and Greenfield, Pathology of the Nervous System (Churchill);
Freeman, Neuropathology (Saunders);
Novak, Gynæcological & Obstetrical Pathology (Saunders);
Geschikter & Copeland, Tumours of Bone (American Journal of Cancer);
Farber, The Post Mortem Examination (Charles Thomas);
Mallory, Pathological Technique (Saunders); Saphir, Autopsy Diagnosis and Technique (Hoeber);

BACTERIOLOGY AND IMMUNITY

Professor and Chairman.....E. G. D. Murray
Associate Professor and Acting Chairman.....Frederick Smith
Assistant Professors.....T. E. Roy*; C. D. Kelly; D. S. Fleming
Demonstrator.....G. G. Kalz
Research Associate.....Catherine Macpherson

*On military service.

Required Courses

All lectures and laboratory courses are given in the Department of Bacteriology (Pathological Institute).

Course 1. Elementary Medical Bacteriology and Immunity.

Three lectures and 6 hours laboratory work a week. First term II.

Course 1. S. Elementary General Bacteriology for Arts and Science Students. III.

Course 2. Applied Medical Bacteriology and Immunity and the Processes of Infectious Diseases. Second term II.

Two lectures and demonstrations a week. Second term...

Course 3. Bacteriology and Immunity for Honours B.Sc.

Six lectures and 12 hours laboratory work a week throughout the year. IX.

(Full details of the courses can be obtained by application to the Registrar).

Text-books:—Hans Zinsser and G. Bayne-Jones, Textbook of Bacteriology (Appleton); R. Muir and J. Ritchie, Manual of Bacteriology (Oxford University Press); R. T. Hewlett and James McIntosh, Manual of Bacteriology (Churchill); T. J. Mackie and J. E. McCartney, Practical Bacteriology (Livingstone); J. W. Bigger, Handbook of Bacteriology (Bailliere Tindall & Cox); Hans Zinsser, Resistance to Infectious Diseases (Macmillan); W. W. C. Topley and G. S. Wilson, The Principles of Bacteriology and Immunity (Edward Arnold & Co.); W. W. C. Topley, An Outline of Immunity (Arnold); M. Langeron, Precis de Microscopie (Masson & Cie); D. H. Bergey, Manual of Determinative Bacteriology (Williams & Wilkins); E. O. Jordan and W. Burrows, Text-Book of Bacteriology (Saunders); Frederick P. Gay, Agents of Disease and Host Resistance (C. C. Thomas); N. P. Sherwood, "Immunology" (Mosby Co.); H. Zinsser, J. F. Enders, L. D. Fothergill, "Immunity Principles and Application in Medicine and Public Health" (Macmillan Co.); R. W. Fairbrother, A Text-book of Medical Bacteriology (W. Heineman, Ltd.).

PARASITOLOGY

Professor and Chairman of the Department.....T. W. M. Cameron

Lecturer.....Ivan W. Parnell

Sessional Lecturer.....D. C. Bews*

*On military service.

Required Courses

Second Year.

2A. Human Parasitology.—This course on the animal parasites of man (protozoa, helminths and arthropods) comprises about 45 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics and pathogenesis as well as to the more important animal vectors of disease. Exotic forms are more briefly discussed. In the practical class, each student examines all the important species as well as the lesions caused by them.

First term— Two lectures and one laboratory period per week.

Elective Courses.—The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers didactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research).

Text-book:—Cameron, T. W. M., "The Parasites of Man in Temperate Climates."

HEALTH AND SOCIAL MEDICINE†

Strathcona Professor and Chairman of Department ..... R. P. Vivian
Assistant Professor and Senior Health Officer ..... C. W. MacMillan
Assistant Professor ..... Frank G. Pedley**
Lecturer ..... R. Vance Ward

This Department, which replaces the Department of Public Health and Preventive Medicine, is in process of organization. For this reason, no details are here given with regard to the scope of its activities. Instruction will be given in all years.

PHARMACOLOGY AND THERAPEUTICS

Professor and Chairman of the Department ..... R. L. Stehle
Associate Professor of Therapeutics ..... D. S. Lewis
Associate Professor of Pharmacology ..... K. I. Melville
Lecturer in Therapeutics ..... W. de M. Scriver
Lecturer in Anaesthesia ..... Wesley Bourne
Lecturer in Pharmacology ..... A. M. Fraser*

†Replacing the Department of Public Health and Preventive Medicine.
**On leave of absence.
*On military service.

PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

Required Courses

1A. Pharmacology. The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Three lectures a week during the Winter Term supplemented by one conference and one demonstration a week. Second Year.

The conference groups are limited to four students each.

Professors Stehle and Melville.

1B. Pharmacological Laboratory. The experiments are chosen to illustrate the lecture course.

Two periods (six hours) a week during the Winter Term. Second Year. Professors Stehle and Melville.

THERAPEUTICS

The teaching of therapeutics will be closely linked with that of medicine.

Required Courses

2. Pharmacy and Prescription Writing. Five lectures and five laboratory periods. Dr. Scriver.

3A. Therapeutics: Didactic Instruction. A series of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

3B. Therapeutics: Theatre Lectures. Fifteen clinical lectures to be given in the hospitals during the year in conjunction with the teaching of the Department of Medicine. Dr. Lewis and Associates.

Text-books in Pharmacology. Cushny, Sollmann, Clark. *Text books in Therapeutics*, Beckman, Lyon, Reiman, Goodman and Gilman.

Options

Suitably prepared students may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

MEDICINE

Professor and Chairman of the Department ..... Jonathan C. Meakins

Professor ..... L. C. Montgomery

Associate Professors ..... G. R. Brow, J. S. L. Browne, E. H. Mason, E. S. Mills, I. M. Rabinowitch

Assistant Professors ..... C. C. Birchard, J. Keith Gordon, J. Kaufman, D. S. Lewis, C. F. Moffatt, W. deM. Scriver.

Lecturers ..... C. R. Bourne, Neil Feeney, A. F. Fowler, C. W. Fullerton, A. T. Henderson, W. R. Kennedy, J. F. McIntosh, J. H. Palmer.* Colin Sutherland, C. J. Tidmarsh, R. Vance Ward, R. H. M. Hardisty, D. W. McKechnie — Post-retirement

Demonstrators ..... L. J. Adams, C. B. Barker, D. Barza, R. C. Bennetts, J. O. W. Brabander, Hugh Burke, H. I. Cramer, B. R. Cuddihy, W. W. Eakin, Guy Hamel, C. R. Joyce, H. E. MacDermot, J. F. MacIver, W. G. McLellan, W. F. McMartin, D. L. Mendel, J. G. Munroe, M. Notkin, S. Ortenberg, S. L. Richardson, H. N. Segall, Frances Selye, C. B. Smith, F. M. Smith, M. R. Townsend.

DERMATOLOGY

Clinical Professors ..... J. F. Burgess (On leave of absence), L. P. Ereaux

Lecturers ..... B. Usher, F. Kalz

CLINICAL THERAPEUTICS

Associate Professor ..... D. S. Lewis

Lecturers ..... C. W. Fullerton, W. de M. Scriver, Guy Fisk (*Physiotherapy*), Norman Brown (*Physiotherapy*)

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*On active service.

TOXICOLOGY AND MEDICAL JURISPRUDENCE

A series of twenty-four lectures and demonstrations.

Professor Rabinowitch.

Toxicology: 1. Definitions; 2. Occurrence of Poisoning—Accidental. (Food. Industrial. Clothes and Cosmetics. Patent Medicines. Therapeutic. Other). Suicidal. Homicidal. 3. Mode of Action of Poisons: Modifying Causes—Form. Amount. Mode of Entry into Body. Age. Habit. Sleep. Physical Condition of Subject. Idiosyncracy. Other. 4. Classification of Poisons. 5. Acute Poisoning: Diagnosis—Similarity Between Poisoning and Disease. General Evidence of Poisoning. Rules for Diagnosis. Treatment: Principles. General Treatment. Antidotes—Limitations. 6. Legal: Control of Poisons—Dangerous Drugs Acts and Regulations. Relation of Doctor to Pharmacist. Administration of Noxious Drugs. Narcotics. 7. Medico-Legal Considerations in Cases of Poisoning: Accident. Suicide. Murder. Duty of Doctor—In Suspected Cases. In Known Cases. Post-mortem examinations in Cases of Poisoning.

Medical Jurisprudence: A. 1. Introduction: Definitions—Law. Medicine. Forensic Medicine. 2. Legal Position of Doctors. 3. Obligation of Doctor to the State: Medical Notifications and Certifications—Births. Stillbirths. Infectious Diseases. Deaths. Other. 4. Responsibilities to Patient: Implied and Expressed Contracts. Professional Secrecy. Privileged Communications. Medico-legal Aspects of Physical Examinations—Consent. 5. Malpractice: Civil. Criminal. Negligence. Contributory Negligence. Errors of Commission. Consultations. Responsibility for Assistants. "Reasonable Care and Judgment". B. Legal Criminal Procedure: 1. Investigation of Sudden Deaths and Deaths from Unnatural Causes—Coroner's Court. 2. Medical Evidence in Courts of Law: *a*. Documentary. *b*. Oral. *c*. Experimental. 3. General Rules of Conduct for Medical Witnesses: Professional Secrecy. Privileged Communications. Precognitions. Fees. C. Medico-Legal Aspects of Death: 1. Signs of Death. 2. Apparent Death. 3. Proximate Causes of Death. 4. Sudden Death. 5. Presumption of Death—Presumption of Survivorship. 6. Medico-Legal Forms of Death. 7. Post-Mortem Examinations for Medico-Legal Purposes. 8. Identification of the Dead. D. Personal Identity in its Medico-Legal Bearings: For Civil Purposes. For Criminal Purposes. Mistaken Identity. E. Blood Stains: Medico-legal information from Blood Stains. Blood Grouping. F. Wounds: 1. Legal Definition. 2. Types. 3. Medico-legal Examination of a Wounded Person. 4. Causes of Death from Wounds. 5. Wounds after Death. G. Medico-Legal Aspects of Pregnancy: H. Abortion: Duty of Doctor in Cases of Suspected Criminal Abortion and in Cases of Known Criminal Abortion. I. Impotence and Sterility.

J. Rape. K. Infanticide. L. Mental Unsoundness: Medical Certification of the Insane. Protection of Certifying Physicians. Admission of Voluntary Patients to Institutions for the Insane. M. Drunkenness: 1. Dianosis: Clinical. Chemical. 2. Medico-legal Aspects—Civil. Criminal.

Text and Reference Books:—Buchanan's Text Book of Forensic Medicine and Toxicology. Medical Jurisprudence and Toxicology—Glaister. Forensic Medicine—Kerr. Forensic Medicine—Littlejohn. Legal Medicine and Toxicology—Gonzales, Vance and Helpern. Toxicology—McNally. Forensic Medicine—Sydney Smith. Recent Advances in Forensic Medicine—Sydney Smith and Glaister. Taylor's Principles and Practice of Medical Jurisprudence.

THE CURRICULUM

Foreword:

The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students, teachers and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and clinical lectures are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

Required Courses.

Second Year

Course II 1—*Integration of Physiology, Biochemistry and Anatomy with Medicine.*

Time—Last term of Second Year—Two lectures a week and one amphitheatre clinic.

Place—Medical Building.

Subject Material—This course covers in a systematic manner the deviations from the normal of the physiological and biochemical functions. These are correlated so as to explain symptoms and signs which may be found on physical examination as detected by clinical methods dealt with in Course II 2. This course follows a chronological order from birth to old age and is so interpreted as to give the student a panoramic view of these disturbances with a proper perspective.

Course II 2—*A Practical Course in Clinical Methods.*

Time—Last term of Second Year.

Place—Outpatient Dept. of the Royal Victoria and the Montreal General Hospitals.

Subject—Practical instruction 4 hours a week on Normal and Abnormal Physical Signs and one amphitheatre clinic.

Course II 3—*Laboratory Diagnosis.*

Time—Last term of Second Year.

Place—Medical Building.

Subject—Instruction and practice 2 periods a week in microscopy as applied to clinical medicine.

Dr. McIntosh and Assistants.

Third Year

Course III 4—*Amphitheatre Clinics in General Medicine.*

Time—Twice weekly throughout year.

Place—Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

Course III 5—*Bedside Clinics and Practical Demonstrations.*

Time—Twice weekly during the medical trimester.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.

Course III 6—*Clinico-Pathological Conference*

Time—Weekly during the medical trimester.

Place—The Royal Victoria and the Montreal General Hospitals.

Course III 7—*Case Reporting.*

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope.

Course III 8—*A Practical Course in Diseases of Metabolism.*
Time—Weekly during the medical Trimester.
Place—Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting Medicine.

Fourth Year

Course IV 9—*Amphitheatre Clinics in General Medicine.*
Time—Once a week throughout year.
Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

Course IV 10—*Bedside Clinics and Practical Demonstration.*
Time—Twice weekly during medical quarter.
Place—Wards of the Royal Victoria and the Montreal General Hospitals.

Course IV 11—*Clinico-Pathological Conference.*
Time—Once a week during medical quarter.
Place—Royal Victoria and the Montreal General Hospitals.

Course IV 12—*A systematic course of lectures designed to give a general survey of laboratory procedures and their interpretation.*

Course IV 13—*Clinical Therapeutics—practical instruction.*
Time—Once a week during the medical quarter.
Place—Royal Victoria and the Montreal General Hospitals.

Course IV 14—*A Course of Lectures in Medicine.*
Time—One period a week throughout year.
Place—Medical Building.

Subject—Lectures in General Medicine to give a general survey of medicine in all its clinical aspects.

Course IV 15—*A course of lectures in Dermatology.*
Time—One period a week throughout the year.
Place—Medical Building.

Subject—Lectures in Dermatology and Syphilology.

Course IV 16—*Dermatology and Syphilology—practical instruction.*
Time—Twice a week during one quarter.
Place—Montreal General and Royal Victoria Hospitals.

Text and Reference Books

Clinical Methods and Physical Diagnosis:—Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Major, "Physical Diagnosis"; Murray, "Examination of the Patient"; Gradwohl, "Clinical Laboratory Methods and Diagnosis"; Hutchison and Hunter, "Clinical Methods"; Cabot & Adams, "Physical Diagnosis"; Department of Medicine, McGill University, "Guide to Medical Case Reporting".

General Medicine:—McLeod, "Physiology in Modern Medicine"; Best and Taylor, "Physiological Basis in Medical Practice"; Meakins, "Practice of Medicine"; Cecil, "Text Book of Medicine"; Davis, "Cyclopedia of Medicine"; Rolleston, "The British Encyclopædia of Medical Practice"; Lewis, "Diseases of the Heart"; White, "Heart Disease"; Norris and Landis, "Diseases of the Chest"; Eusterman and Balfour, "Stomach and Duodenum"; Hurst and Stuart, "Gastric and Duodenal Ulcer"; Joslin, "Diabetic Manual"; "Treatment of Diabetes Mellitus"; McLester, "Nutrition and Diet in Health and Disease"; Lusk, "Science of Nutrition"; Peters and Van Slyke, "Quantitative Clinical Chemistry"; Vol. 1, Interpretations; DuBois, "Basal Metabolism in Health and Disease"; Kurzrok, "The Endocrines in Obstetrics and Gynæcology"; Clendening, "Methods of Treatment"; "Pharmacopœa of the Teaching Hospitals".

General Medicine:—Smith & Gault, "Essentials of Pathology"; Yates, "Fundamentals of Internal Medicine"; McCombs, "Internal Medicine in General Practice"; Christian, "Osler's PRINCIPLES AND PRACTICE OF MEDICINE", 15th edition

Dermatology:—Walker, "Introduction to Dermatology"; MacLeod, "Diseases of the Skin"; Sutton and Sutton, "Diseases of the Skin"; Ormsby, "Diseases of the Skin".

PSYCHIATRY

Professor and Chairman of the Department . . . . . D. EWEN CAMERON
Clinical Professor . . . . . C. A. PORTEOUS
Assistant Professors . . . . . R. B. MALMO, M. PRADOS, G. E. REED, BARUCH SILVERMAN
Lecturer . . . . . KARL STERN
Sessional Lecturers . . . . . MAJOR A. A. BAILEY, MAJOR K. McGREGOR
Demonstrators . . . . . H. LEHMAN, LLOYD HISEY, A. A. McKAY, C. SKITCH
Research Fellow . . . . . EDRITA FRIED

FOREWORD

Instruction in human behaviour is given in all four years. Emphasis is placed upon the personality factor in all forms of illness. Consequently, teaching is carried on in close relation with other aspects of medicine. It is planned to take full advantage of the teaching facilities not only of the Institute but of the wards and out-patient departments of the Royal Victoria Hospital and of the Montreal General Hospital.

Special prominence is given to those psychological and personality situations which the student will meet after graduation in his day to day teaching. Instruction in military psychiatry and in child psychiatry is given in the final years.

Required Courses

1. Psychobiology—A course of twelve lectures will be given in the first year. In this course, the various aspects of human behaviour will be stressed, with special reference to their relationship to medicine. Dr. Cameron.

2. Psychiatry—Eighteen lectures on the basis behavioral disorders will be given. During the second year both those disorders which require hospitalization and those which can be dealt with on an ambulant basis will be considered. Dr. Reed and Assistants.

3. A course of eight lectures will be given on child psychiatry during the fourth year. Dr. Silverman.

4. Clinical demonstrations, out-patient instruction and ward rounds will be held during the fourth year. Certain of these will be devoted to early behavioral disturbances, psychosomatic and toxic states, and drug addictions. Drs. Cameron, Stern and MacKay.

5. Instruction will be given in adult out-patient psychiatry in the Psychiatric Outdoor Department in the Royal Victoria Hospital, and in child out-patient psychiatry at the Mental Hygiene Institute. Drs. Prados and Silverman.

6. Instruction in military psychiatry will be given at the Allan Memorial Institute. Drs. Bailey and McGregor.

7. Instruction in the care of long term cases, and institutional psychiatry, will be given at the Allan Memorial Institute and Verdun Protestant Hospital. Drs. Reed, Skitch and Lehman.

PAEDIATRICS

Professor and Chairman of the Department	R. R. STRUTHERS**
Associate Professors	S. GRAHAM ROSS A. GOLDBLOOM, *Chairman*
Assistant Professor	L. LINDSAY
Lecturers	A. K. GEDDES ALAN ROSS* JESSIE BOYD SCRIVER
Demonstrators	B. BENJAMIN J. H. O'NEILL S. J. USHER E. M. WORDEN
Sessional Demonstrators	C. STEWART S. I. DOUBILET F. SHIPPAM

REQUIRED COURSES

1. LECTURE COURSE: A series of lectures on pædiatrics, intended as an introduction to various aspects of Diseases of Children—Hygiene—Nutrition — Infections — Family Relationships — Infectious Diseases and Preventive Medicine.

   Once a week during the Autumn, Winter, and Spring terms (as announced) at the Medical Building or at the Children's Memorial Hospital. Professor Goldbloom and Assistants.

2. DISEASES OF THE NEWBORN: Royal Victoria Maternity Pavilion.
   A weekly clinic-demonstration to groups of students of the Third Year during their Obstetrics Trimester.

   Professor Ross, Drs. Scriver and Worden.

3. CLINICAL PAEDIATRICS: During the final year the class is divided into groups, each group devoting five weeks to the study of the diseases of childhood, including: (a) General Pædiatrics—Children's Memorial Hospital. Daily bedside clinics by members of the department during the five week period spent by each student in attendance at the Children's Memorial Hospital—presentation of cases—discussion of case reports—ward rounds and staff rounds.

   Staff Members.

   (b) Normal Infant Feeding, Care and Development and Preventive Pædiatrics. Immunization Procedures. Drs. Scriver, Usher, Benjamin. Child Welfare Association Clinics.

*On Military Service.
**On Leave of Absence.

(c) *Infectious Diseases:* A series of demonstrations to groups of students on the common infectious diseases, is given at the Alexandra Hospital. Drs. Worden, C. Stewart.

Text-books: Holt and McIntosh, "Diseases of Infancy and Childhood"; Griffith and Mitchell "Diseases of Infants and Children"; Porter and Carter, "Management of the Sick Infant and Child"; Brown and Tisdall, "Common Procedures in Pædiatrics".

Reference Books: Brenneman, "Practice of Pædiatrics" (4 volumes); Parsons and Barling, "Diseases of Infancy and Childhood" (2 volumes); Langdon, "Home Guidance for Young Children"; Abt's "Pædiatrics" (8 volumes); Still, "Common Disorders and Diseases of Childhood"; John Thomson, "Clinical Study and Treatment of Sick Children".

DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

Professor of Neurology and Neurosurgery, Chairman of Department	Wilder Penfield
Associate Professor of Neurology	Colin Russel (post retirement)
Associate Professor of Neurosurgery	William Cone
Clinical Professor of Neurology	F. H. Mackay
Assistant Professors of Neurology	K. A. C. Elliott Donald McEachern* Francis McNaughton Arthur W. Young
Assistant Professor of Neurosurgery	Arthur Elvidge
Assistant Professor of Neurological Radiology	Arthur Childe
Assistant Professor of Neurophysiology	Herbert Jasper*
Lecturers in Neurology	John Kershman* W. D. Ross* Norman Viner
Lecturer in Neuropathology	Murton Shaver
Demonstrator in Neurology	J. Preston Robb
Demonstrator in Neuropathology	Arthur A. Morris, Jr.
Research Fellows at the Montreal Neurological Institute	M. Bornstein Chao-jen Chen Carlos Corona Alfred Pope**

*On Military Service.
**National Research Council Fellow.

Outline of Courses, 1945-46

Second Year.

2A. *Clinical Neuroanatomy and Neurophysiology.* 4 lectures. Dept. of Medicine. Dr. F. McNaughton.

2B. *Physical Examination of the Nervous System.* 2 theatre clinics. Dept. of Medicine. (1 at M.G.H., 1 at R.V.H.). Clin. Prof. F. H. Mackay.

Third Year.

3A. *Survey of Neurology and Neurosurgery.* 16 lectures. M.N.I. Amphitheatre. Professor Penfield and Assoc. Professor Russel.

Fourth Year.

4A. *Neurological and Neurosurgical Clinics.* 19 theatre clinics. M.N.I. Amphitheatre. Professor Penfield, Assoc. Professor Cone, Clinical Professor Mackay, Dr. F. McNaughton.

4B-1 *Neurological O.P.D.* R.V.H. Outpatient Department. Monday and Thursday afternoons. Dr. Young and assistants.

4C-1 *Neurology Ward Classes.* Dept. of Medicine. Wednesdays. M.N.I. (R.V.H. group). Assoc. Professor Russell.

4B-2 & 4C-2 *Combined Neurological O.P.D. and Ward Classes.* M.G.H. Monday and Friday afternoons. (M.G.H. group). Clin. Professor F. H. Mackay and assistants.

4D-1 *Neurosurgery Ward Classes.* Dept. of Surgery. M.N.I. (R.V.H. group). Assoc. Professor Cone.

4D-2 *Neurosurgery Ward Classes.* Dept. of Surgery. M.N.I. (M.G.H. group). Dr. Elvidge.

4E-1 *Neurology Seminar.* R.V.H. Outpatient Department. Tuesday afternoons. Dr. F. McNaughton and Dr. J. P. Robb.

4E-2 *Neurology Seminar.* M.G.H. Outpatient Department. Friday afternoons. Dr. F. McNaughton and Dr. J. P. Robb.

Elective Courses.

I. *Clinics on Diseases of the Nervous System.* R.V.H. Outpatient amphitheatre (if requested). Tuesdays 3-4 o'clock. Professor Penfield.

II. *Contribution of the Basic Sciences to Neurology.* M.N.I. Tuesdays 5.30 p.m. Various members of the Department of Neurology and Neurosurgery, organized by Dr. McNaughton.

III. *Advanced Neuroanatomy* (Anatomy 3). Construction of model of human brain. M.N.I. Monday and Tuesday, 8-10 p.m. (Registration limited to 10). Drs. McNaughton and Kershman.

SURGERY

Professor and Chairman of the Department	Fraser B. Gurd
Professor	F. E. McKenty
Associate Professors	J. C. Armour, J. G. W. Johnson, G. Gavin Miller, D. E. Ross.
Assistant Professors	R. R. Fitzgerald, C. A. McIntosh, L. H. McKim, A. Ross, A. J. Stewart, H. L. Dawson, A. L. Wilkie, H. M. Elder*.
Lecturers	J. C. Luke*, S. J. Martin, H. F. Moseley, P. G. Rowe, S. G. Baxter*, H. G. Pretty.
Demonstrators	F. D. Ackman, H. A. Baxter, F. H. Cayford, E. M. Cooper, H. S. Dolan, Mark Kaufmann, G. D. Little, C. K. McLeod, J. C. Sutton.

ORTHOPAEDIC SURGERY

Lecturer	N. T. Williamson
Demonstrator	S. E. Goldman

ANAESTHESIA

Lecturers	Wesley Bourne, M. D. Leigh, C. C. Stewart, F. A. H. Wilkinson
Demonstrators	A. M. Torrie, W. C. Stockwell

UROLOGY

Clinical Professors	R. E. Powell, E. S. Smith
Lecturer	M. I. Seng
Demonstrators	A. B. Hawthorne, A. M. J. Tanney, R. G. Reid

*On Military Service.

SECOND YEAR.

2A. *Clinical Urology*

Group classes, 4 demonstrations, in which instruction in methods of Urological examination is given in the Montreal General and Royal Victoria Hospitals.

(See Surgery—2B).

FOURTH YEAR.

4A. *Survey of Urology.* 12 lectures.

In the Surgical trimester:—

4B. *Urological Clinics*—Ward Classes

The Montreal General Hospital—3 classes a week.
Royal Victoria Hospital—3 classes a week

4C. *Case Reporting in Urological Wards.*

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics and demonstrations and group teaching in the wards and out-patient departments of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

REQUIRED COURSES

SECOND YEAR.

Surgical teaching begins in the spring term (16 weeks) of the Second Year. In this year special attention is directed to the instruction and training of the student, in proper methods of physical examination, from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

Courses.

2A. *A course of lectures* (16) covering the history of Surgery and an introduction to the study of surgical diseases. This course includes five lectures on "First Aid."

2B. *Group classes* in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

THIRD YEAR.

The student comes into a more intimate contact with the patients, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, and assists at operations.

3A. *Amphitheatre Clinics and Demonstrations* in the Montreal General and Royal Victoria Hospitals, two days a week throughout the year.

3B. *Group Ward classes* in the Montreal General and the Royal Victoria Hospitals, three times a week during the term.

3C. *Case Reporting.* Patients are allotted to students who act as reporters, dressers, and assistants at operations.

FOURTH YEAR.

Courses.

4A. *Amphitheatre Clinics and Demonstrations* in the Montreal General and Royal Victoria Hospitals alternately, once a week throughout term.

4B. *Group Ward Classes and Ward rounds* in the Montreal General and Royal Victoria Hospitals, four times a week during the term.

4C. *Case Reporting*

4D. *Clinico-Pathological conferences* once a week during the term, jointly with the Department of Pathology, at the Montreal General and Royal Victoria Hospitals.

SURGICAL DISEASES OF CHILDREN.—Instruction in the surgical diseases of children is given during the trimester in which the students are assigned to pædiatrics at the Children's Memorial Hospital, as follows:—

4A. *Amphitheatre Clinics* once a week throughout trimester.

4B. *Group Ward Classes* three times a week throughout trimester.

ORTHOPAEDIC SURGERY

FOURTH YEAR COURSES.

4A. *Clinical Lectures.* A course of 8 lectures given at the hospitals.

4B. *Ward Classes* at the Montreal General and Royal Victoria Hospitals, once a week during the surgical trimester.

4C. *Group Classes in the Out-door Department* of the Montreal General and Royal Victoria Hospitals, twice a week during the surgical trimester.

ANAESTHESIA.—Instruction in anæsthesia is given by the Department of Pharmacology and Clinical Therapeutics. Students are given practical instruction in the administration of anæsthetics, during their surgical trimesters in the Third and Fourth Years at the Montreal General and Royal Victoria Hospitals.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology and Bacteriology.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

Text-books:—

1. *General Surgery:* John Homans, "A Text-book of Surgery"; Choyce, C. C., "A System of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery"; Christopher; Cole and Elman; Romanis and Mitchener; Handfield, Jones and Porrett, "The Essentials of Modern Surgery"; Rose and Carless, "Manual of Surgery"; Berman's Synopsis of Principles of Surgery; Pack and Livingston's "Treatment of Carcinoma"; Christopher's "Minor Surgery".

2. *Emergency Surgery:* Sluss, John W., "Manual of Emergency Surgery"; Cole & Puestow, "Advanced First Aid".

3. *Surgical Anatomy:* McGregor, "Synopsis of Surgical Anatomy"; Treves, "Surgical Applied Anatomy".

4. *Fractures and Dislocations:* Scudder, Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations"; Magnuson's "Fractures"; Stimson's "Manual of Fractures and Dislocations"; Wilson's "Management of Fractures"; Key and Conwell's "Fractures and Dislocations"; Watson Jones "Fractures and other Bone and Joint Injuries"; Key and Conwell, "Fractures, Dislocations and Sprains".

5. *Case Reporting:* White, J. Renfrew, "The Clinical Examination of Surgical Cases"; Geckeler's "Fractures and Dislocations."

6. *Urology:* Eisendrath and Rolnick's "Urology"; Herman's "Practice of Urology"; Hinman's "Principles and Practice of Urology"; Keyes and Ferguson's "Urology"; Young's "Practice of Urology"; Le Comte's Manual of Urology.

7. *Orthopædic Surgery:* Whitman's "Orthopædic Surgery"; Jones, "Orthopædic Surgery of Injuries"; Jones and Lovett, "Orthopædic Surgery"; Mercer's "Orthopædic Surgery"; Willis Campbell's "Orthopædic Operations"; Sever's "Handbook of Operative Surgery"; Steindler's "Orthopædic Operations".

OBSTETRICS AND GYNAECOLOGY

Professor and Chairman of the Department	
Associate Professors	A. D. Campbell N. W. Philpott, *Acting Chairman.*
Assistant Professors	W. A. G. Bauld J. S. Henry G. C. Melhado
Lecturers	P. J. Kearns Ivan Patrick Eleanor Percival
Demonstrators	J. E. Ayre W. R. Foote G. B. Maughan K. T. MacFarlane D. W. Sparling
A. A. Browne Fellow	
Teaching Fellow	S. Gold
Sessional Lecturer	George Strean

The entire course is arranged on the basis of imparting a practical knowledge of Obstetrics, Gynæcology and the Care of the New-born. The value of intimate contact with the patient in the normal and the pathological state is stressed.

The privilege of serving as an interne in the hospital for two weeks treating the patients from the time of admission till discharge from hospital is an ideal arrangement. Rooms are provided in the Women's Pavilion where the students may reside, in groups of six, during this period.

OBSTETRICS

Required Courses

Third Year.

1. Thirty-five Clinical Conferences for all Third Year students, Wednesday 12.45-1.45 p.m., illustrating the more important Obstetrical conditions. Prof. Philpott.
2. Thirty-five lectures relative to the anatomy and physiology of the pelvis as well as a general introduction to Obstetrics and associated Gynæcological lesions. Prof. Philpott.
3. Thirty demonstrations are given in Obstetrical palpation and on the manikin, with the aid of models, diagrams, lantern slides and moving pictures Given by Members of the Staff.

4. Clinical instruction for twelve periods in case-rooms and wards. Given by Members of the Staff.

5. Six lectures concerning early development of the embryo and the placenta. Given by Members of the Staff.

6. Six lectures or demonstration periods relative to the care of the New-born. Prof. Goldbloom and Prof. Ross.

FOURTH YEAR.

1. Thirty-five Clinical Conferences for all Fourth Year students, Wednesday, 12.45-1.45 p.m., illustrating the more important Obstetrical conditions. Prof. Philpott.

2. Staff Conference held once a week is arranged to give a complete account of the work of the hospital. This is attended by those students in the current Obstetrical Course. Prof. Philpott.

3. Fifteen lecture demonstrations are held in the Lecture Theatre on the following subjects:—

Normal Labour	Prof. Philpott.
Dystocia	Dr. Melhado.
Toxæmia of Pregnancy	Dr. Foote.
Hæmorrhage	Prof. Henry.
Puerperal Infection	Prof. Campbell.

4. Fourteen instruction periods including conduct of pregnancy, labour and puerperium in Out-patient Department, Case-rooms and Wards. Given by Senior Members of Staff.

GYNAECOLOGY

1. Theatre clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals. Professors Fraser, Campbell and Staff.

2. A special course on Gynæcological Pathology. Dr. P. J. Kearns.

3. Methods of Gynæcological examination, diagnosis and treatment in the outdoor departments.

4. A special course of instruction, once a week, through the year in the cancer clinic on methods of diagnosis and treatment of cancer, dealing especially with Radium and X-Ray. Prof. Bauld and Staff.

TEXT AND REFERENCE BOOKS

OBSTETRICS.

(1) De Lee	Principles and Practice of Obstetrics.
(2) Stander	Text book on Obstetrics.

(3) Ten Teachers	Midwifery.
(4) Bland	Practice of Obstetrics.
(5) Miller, J.	Manual of Obstetrics.
(6) Appleton	Obstetrical and Gynæcological Monographs.
(7) Peterson	Demonstration Course in Obstetrics.
(8) Irving	Text book on Obstetrics.
(9) Beck	Obstetrical practice.
(10) Adair	Obstetrics.

GYNAECOLOGY.

(1) Graves	Text boot of Gynæcology.
(2) Curtis	Text book of Gynæcology and System of Gynæcology and Obstetrics.
(3) Ten Teachers	Diseases of Women.
(4) Monroe Kerr	Gynæcology.
(5) Kelly, Howard	Text book of Gynæcology.
(6) Goodall	Puerperal Infection.
(7) Crossen	Gynæcology.
(8) Kennedy, Campbell	Vaginal Hysterectomy.

OPHTHALMOLOGY

Professor and Chairman of the Department . . . . . J. A. MACMILLAN

Assistant Professor . . . . . STUART RAMSEY

Lecturers . . . . . K. B. JOHNSTON, J. ROSENBAUM

Demonstrator . . . . . B. ALEXANDER

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses in the Third and Fourth Year of the Medical Course:—

THIRD YEAR

1. ROUTINE EXAMINATION OF THE EYE.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours . . . . . Professor MacMillan and members of the Staff.

THIRD YEAR.

2. LECTURE DEMONSTRATIONS TO ENTIRE CLASS.

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the Final Year.

Ten hours.....Professor MacMillan.

FOURTH YEAR.

CLINICAL OPHTHALMOLOGY.

This teaching is conducted in the Ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals. The class is divided into groups of ten, each group receiving twenty-five hours instruction. Ocular problems that are of greatest moment in general practice are discussed. This includes the external diseases of the eye, the main ophthalmological findings in systemic disorders, affections of the nervous system, and as far as possible a co-relation of the clinical and histological ocular changes.

Professor MacMillan and members of the Staff.

Text-books:—May, Gifford, Parsons, Berens.

Reference books:—Duke-Elder.

OTO-LARYNGOLOGY

Assistant Professor and Chairman of the Department.....D. H. BALLON
Assistant Professor.....G. E. HODGE

Lecturers.....W. J. MCNALLY, R. P. WRIGHT, K. O. HUTCHISON, G. E. TREMBLE, A. O. FREEDMAN, E. E. SCHARFE

Demonstrators.....G. E. M. HILTON, F. W. SHAVER

Instruction in Oto-Laryngology is given to students of the third and fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

THIRD YEAR:

A course of 10 demonstrations is given to students of the Third Year. These demonstrations deal with the normal anatomy of the ear, nose and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose and throat. Ward rounds are made to illustrate the pre- and post-operative methods of treatment.

LECTURE COURSE:

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the œsophagus.

FOURTH YEAR:

Ten clinical demonstrations are given in the out-patient departments and wards of the hospitals. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

Text and Reference Books:—Sir St. Clair Thomson: Diseases of the Nose and Throat; A. Logan Turner: Diseases of the Nose, Throat and Ear; Chevalier Jackson and G. M. Coates: The Nose, Throat and Ear and Their Diseases; Philip O. Kerrison: Diseases of the Ear; Chevalier Jackson: Bronchoscopy, Oesophagoscopy and Gastroscopy; D. H. Ballon: Chapters on Bronchoscopy and Oesophagoscopy in Surgical Diseases of the Chest by Evarts A. Graham, J. J. Singer, Harry C. Ballon.

RADIOLOGY

Associate Professor ..... CARLETON B. PEIRCE**

Associate Professor and Chairman of the Department ..... W. L. RITCHIE

Assistant Professors ..... J. J. L. BOUCHARD, A. E. CHILDE, J. W. MCKAY

**On Part-time Military Service.

Courses Offered

First Year.

In co-operation with the Department of Anatomy, demonstrations are given of the Roentgenologic anatomy of the skeletal, respiratory, gastrointestinal and urogenital systems, including fluoroscopic demonstrations of functional anatomy of joints, the thoracic viscera and the alimentary tract.

Associate Professor Peirce and Staff.

Second Year.

Introduction to Radiology:

In co-operation with the Department of Medicine (Course II 2) as an introduction to special methods in Physical Diagnosis, the various means of Radiologic examination are demonstrated to small groups of students in the Montreal General Hospital and the Royal Victoria Hospital. The fluoroscopic and roentgenographic methods of study of the cardio-respiratory and gastro-intestinal systems especially are compared with the clinical means in physical examination

Associate Professor Peirce and Staff.

Associate Professor Ritchie and Staff.

Third Year

III Roentgen Pathology and Radiation Therapy:

A course of 20 lectures presenting the general features of rœntgen interpretation, systemic rœntgen pathology and the principles of rœntgen and radium therapy.

Associate Professors Peirce and Ritchie.

Assistant Professors Bouchard, Childe and McKay.

Fourth Year.

IV-A Clinical Radiology:

(1) A course of six lectures on special clinical applications of rœntgen rays and radium radiation.

Associate Professors Peirce and Ritchie and Members of the Staff.

IV-A (2) Conference periods, two hours weekly each quarter during which the students in the several hospitals discuss clinical case material with the Members of the Department.

Children's Memorial Hospital—Asst. Prof. Childe.

Montreal General Hospital—Assoc. Prof. Ritchie. Assist. Prof. McKay and Staff.

Royal Victoria Hospital—Assoc. Prof. Peirce, Assist. Prof. Bouchard and Staff.

IV-A (3) Tumour Conference: .The final year students attend Tumour or Neoplasm Conferences in the several teaching hospitals, wherein all means of diagnosis and treatment of malignant neoplasms, especially, are considered by representatives of all departments of the teaching staffs, and their experience reviewed.

POST-GRADUATE INSTRUCTION.

Post-graduate training prerequisite to certification in the specialty by the Royal College of Physicians and Surgeons (Canada) or the American Board of Radiology is available in the teaching hospitals to selected graduates of approved Faculties or Schools of Medicine.

Text and Reference Books:—Rœntgen Interpretation, Holmes and Ruggles; Text Book of Radiology, Shanks, Kerly and Twining; Diagnostic Radiology, Golden (et al); Head and Neck in Rœntgen Diagnosis, Pancoast, Pendergrass and Schaeffer; Rœntgenology, Kohler; Urological Rœntgenology, Wesson and Ruggles; Clinical Rœntgenology of the Cardiovascular system, Roessler; The Digestive Tract, Barclay; Theoretical Principles of Rœntgen Therapy, Pohle; Clinical Rœntgen Therapy, Pohle; Physical Foundations of Radiology, Glasser, Quimby, Taylor and Weatherwax.

RESEARCH INSTITUTE OF ENDOCRINOLOGY

Director ..... J. B. COLLIP
Asst. Professor ..... ROBERT L. NOBLE
Lecturers ..... A. H. NEUFELD*, C. GWENDOLINE TOBY
Fellow ..... HECTOR MORTIMER

This Institute established in 1941 and housed in the West Wing of the Medical Building is devoted to research in the fundamentals of endocrinology. It is not an undergraduate teaching department, but is closely associated with the Faculty of Graduate Studies and Research and the Faculty of Medicine and affords facilities for properly qualified graduates to work for the Ph.D. degree.

The Institute is under the Direction of Professor J. B. Collip, Gilman Cheney Research Professor of Endocrinology. Dr. Robert L. Noble is the senior assistant in the Physiological branches of the subject and Dr. A. H. Neufeld is the senior assistant in the biochemical branches.

A limited number of graduate students will be accepted. Entrance requirements are either the degree of Doctor of Medicine with high stand-

*On military service.

ing in the courses for that degree, or the M.Sc. degree in Physiology or Biochemistry or its equivalent in training in these subjects.

The minimum period in which a student with a B.Sc. or an M.D. degree can obtain a Ph.D. degree is three years. A student with an M.Sc. degree or its equivalent may qualify for the Ph.D. degree in a minimum of two years. It is not proposed to do any didactic teaching in the Institute, but candidates for a Ph.D. degree will be required to pass a comprehensive examination in the subject and to submit a thesis.

Inquiries concerning the Institute should be addressed to the Director.

GRADUATE INSTRUCTION

1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.

2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is $30.00 a term (10 weeks).

*3. Course for Diploma of Public Health: This course is specially designed as a thorough training for medical men in public health.

The duration of the course is one academic year.

The curriculum is as follows:—

(a) A course dealing in a comprehensive manner with the general principles of Public Health and Preventive Medicine.

(b) A course covering health organization, legislation and administration.

(c) A course on vital statistics and records, including practical work.

(d) Courses in bacteriology and parasitology, including laboratory work.

(e) Field work: Arrangements made with the Department of Health, Montreal, and the voluntary health agencies of Montreal.

Seminars are held throughout the year. Arrangements are made for special courses in such subjects as tuberculosis, venereal disease, etc., and for special visits.

Examinations are written, oral and practical.

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*Suspended for the present session.

The inclusive fee for the course is $155 for British subjects and $205 for non-British subjects.

*4. Course for Diploma in Veterinary Public Health: A course leading to a Diploma in Veterinary Public Health (D.V.P.H.) has been organized under the Department of Public Health and Preventive Medicine, and is open to graduates of recognized schools of veterinary medicine.

The purpose of the course is to prepare veterinarians to render better service in the fields of public health, particularly in the control of food and milk supplies, into which they are now being brought.

The work occupies one academic year, with approximately 36 hours of instruction (lectures and laboratory work) per week.

The curriculum includes Public Health, Physiology, Dairy Bacteriology, Nutrition, Milk and Meat Hygiene, Epizootology and Public Health Parasitology.

The tuition fee for the course is $150.

COURSE FOR DIPLOMA IN TROPICAL MEDICINE

This course was offered for the first time during the session 1944-45. Its object is to train medical graduates to deal with medical problems peculiar to tropical areas. In this connection, it has been approved by Faculty as satisfying the requirements of a fifth year of professional training, which is required of McGill graduates before a certificate is issued stating that his medical education is complete, and that he is eligible to sit the examinations of a licensing board. It is also suggested as a refresher course for medical graduates who have been working in the tropics, and wish to take advanced work in Parasitology and other branches related to tropical hygiene.

The Diploma will be granted to graduates of any recognized medical school after completion of three of the following units, of which (a) is compulsory:

(a) Parasitology and Tropical Medicine (3 months).
(b) Ambulatory patients (3 months).
(c) Three months at an approved hospital in the tropics.
(d) Public Health and Tropical Hygiene (3 months).

Curriculum

(a) Tropical Medicine and Parasitology.

Dean D. L. Thomson, Professors F. Smith, T. W. M. Cameron and R. P. Vivian.

*Suspended for the present session.

This basic course covers Bacteriology, Parasitology and Medical Entomology as applied to Tropical Medicine and includes an introduction to Nutrition and Hygiene as applied to the tropics, as well as a systematic review of the symptomatology, therapeutics, epidemiology and control of all the important Tropical Diseases. The course lasts twelve weeks (September to November) of which the first two are held in Montreal and the remainder at the Institute of Parasitology at Macdonald College. The class meets daily (Monday to Friday) from nine a.m. to five p.m., and includes, in addition to the systematic lectures, demonstrations in public health matters of importance to the tropics, including port hygiene, rat control, disinfestation methods, as well as visits to various institutions. Special prominence is given to laboratory work, and each student studies not only the aetiology and pathology of all important tropical diseases, but practical means of diagnosis.

THE DISEASES CONSIDERED INCLUDE:

Malarias (including Blackwater fever), Trypanosomiasis, Leishmaniasis and Amœbiasis. Relapsing fever and other Spirochætal diseases. Rickettsial diseases. Bacillary dysenteries, enteric fevers, and Cholera, Plague, Leprosy, and Undulant fever. Anthrax and other diseases of animals in the tropics transmissable to man. Yellow fever, Dengue fever, and Phlebotomus fever. Schistosomiasis, Filariasis and disease caused by other helminths including Ascariasis, Hookworm disease, Trichinosis, Guinea-worm disease, Tapeworm disease and Hydatid, Intestinal, Liver and Lung Flukes. Sprue, Beriberi, Pellagra, Scurvy and Nutritional diseases in the tropics. Heat diseases and tropical skin diseases.

The laboratory course consists in a practical study of the causes and pathology of these diseases together with their vectors and control. (Mosquitoes, Midges, Lice, Flies, Fleas, Bugs, Ticks and Mites). Special attention is paid to diagnostic methods, including examination of the blood, sputum, fæces and urine. Microscopes will be provided.

(b) COURSE IN CARE OF AMBULATORY PATIENTS.

The series of courses in this unit are arranged to give supervised experience in the important diseases common to tropical and temperate climates. Emphasis is placed upon the actual handling of clinical cases. These will be, for the most part, ambulatory patients, attending Hospital and Child Welfare Clinics. Disease will be considered in its various aspects as a community problem. The following courses have been arranged:

(a) *Syphilology:* 12 lectures, and three practical periods weekly for three months in the Out-patient Department. Dr. L. P. Ereaux and one period weekly on Public Health aspects.

(b) *Dermatology:* 12 lectures and two practical periods weekly for three months in the Out-patient Department. Dr. Ereaux.

(c) *Tuberculosis:* Practical work three mornings weekly at the Royal Edward Laurentian Hospital, and weekly seminars. Dr. H. E. Burke and staff.

(d) *Child Welfare Clinics:* Three afternoons a week at the Chandler Health Centre. Dr. L. M. Lindsay.

(e) Additional work in *Pœdiatrics*, Dr. A. Goldbloom; and in *Hœmatology*, Dr. Joseph Kaufmann.

(c) Clinical Instruction in the Tropics.

This will consist of a minimum of three months clinical instruction at a hospital in the tropics approved by Faculty. Faculty shall have power to exempt from this course, candidates who have been engaged for at least twelve months in the Treatment of Tropical Diseases in any tropical or sub-tropical country.

*(d) Public Health and Tropical Hygiene.

This course deals with the general principles of Public Health and Preventive Medicine (including vital statistics and records). Special attention will be paid to Tropical life and problems arising from Tropical climates, including water, food, housing and cooling of buildings, disposal of waste, care of the sick, control of nomads and native labour. Suitable demonstrations and visits will be arranged.

THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over $600,000, contains the Offices of Administration, the Medical Library (with its 65,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Health and Social Medicine, the Research Institute of Endocrinology and the Museums of Anatomy, Pathology and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The Laboratories for Histology and Embryology have excellent facilities with space for 120 students, and smaller rooms for research.

*Suspended for the present session.

THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over $500,000, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neuro-surgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, laboratories, etc., the building provides complete residential accommodation for six research fellows

THE ALLAN MEMORIAL INSTITUTE

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building has been reconstructed to permit of the establishment of a fifty bed unit, together with

extensive research laboratories, and was officially opened July 12th, 1944. Plans have been drawn up for the carrying out of undergraduate and postgraduate teaching in the Faculty of Medicine.

HOSPITALS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital.
Montreal General Hospital.
Children's Memorial Hospital.
Alexandra Hospital for Infectious Diseases.
Verdun Protestant Hospital.
Royal Edward Laurentian Hospital.
The Royal Victoria Montreal Maternity Hospital.

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 3,000 beds.

The Royal Victoria Hospital, in juxtaposition to the University buildings, is a general hospital for acute diseases and contains 693 beds and 96 cribs. In a typical year, it cared for 16.637 cases, while in its out-door department 68,994 cases were treated. Many new additions have been made in the Hospital. A modern University Medical Clinic was established in 1924.

There were 66.2% post-mortems.

The number of resident physicians is 70.

The Royal Victoria-Montreal Maternity Pavilion, with 214 beds for obstetrical and gynæcological cases, was opened in June, 1926. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for 2,252 confinements in

the Hospital and 210 in the Out-patient Service. In the gynæcological section, 1,803 cases were admitted during the year.

There are ten resident physicians.

The Montreal General Hospital, Central and Western Divisions, is a general hospital for the treatment of acute diseases and contains 600 beds. In a recent year there were 12,200 admissions. The number of patients' visits to the Out-patient Department of both Divisions totals 174,977. Many modern additions to the original buildings have been made permitting increased bed capacity. There is a large biochemical laboratory fully equipped for the complete investigation of the metabolic aspects of disease and in conjunction with this department there is an out-patient clinic, one of the largest on the continent, for the treatment of diabetes mellitus. There were 573 autopsies performed which represents 85% of all autopsies obtainable, i.e., other than coroner's cases, etc. Post Mortem and surgical material at both Divisions is now used for teaching, and clinical teaching is carried out in the public wards at both Divisions. The number of resident physicians is 52. The Dental Clinic of the University completed in 1921 is located at the Central Division and has 50 dental chairs with a large and varied clientele. The number of visits to the Dental Clinic for a recent year was 19,065.

The Children's Memorial Hospital has 267 public beds, and, in a typical year, admitted 3,807 patients. The attendance at its out-door department totalled over 32,459 visits. This hospital admits all classes of cases of disease in children, and enables the students to get a broad concept of pædiatrics. Of special interest are the newly-built wards with cubicles, the Department of Remedial Gymnastics, the Open-air Pavilions, and the well-equipped out-patient service.

There were 97 autopsies per year, which represents 88.3% of all deaths.

The number of resident physicians is 12.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 172 beds, and, in a typical year, 2,008 patients were admitted to the hospital. There were 14 autopsies.

The number of resident physicians is 3.

The Verdun Protestant Hospital has 1,100 beds.

The Royal Edward Laurentian Hospital, in its new building, 3674 St. Urbain St., has space for 70 beds, with operating room, X-Ray

equipment and modern facilities for the examination of patients; it is essentially a dispensary for tuberculosis and offers adequate material for teaching students the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

LIBRARY

Honorary Librarian.....R. L. STEHLE

The Library occupies the central front section of the medical building. It contains more than 65,000 bound volumes and an extensive collection of pamphlets, theses, government publications and other items.

On the third floor are the pleasant, well-lighted reading room capable of accommodating seventy-five readers, and the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library—ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes, some dating back to the sixteenth century. Among the books and journals the ophthalmological section, due in large measure to many gifts from the late Dr. Casey A. Wood, is excellent.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7.30 to 10.00 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

Librarian.....W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly

9,500 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death ("Bibliotheca Osleriana," Clarendon Press, Oxford, 1929, xxxvi, 785 pp.)

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

1. THE McGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

(1) To transact all matters of business connected with the undergraduate body.

(2) To stimulate interest along medical lines.

(3) To assist students to express themselves in public with facility.

(4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Third and Fourth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

3. THE OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.

McGILL UNIVERSITY

MONTREAL



FACULTY OF MEDICINE

1946-1947

MEDICAL FACULTY
McGILL

McGILL UNIVERSITY

MONTREAL, CANADA

GENERAL INFORMATION
1946 - 1947

ADMISSION TO THE UNIVERSITY

1. ENTRANCE REQUIREMENTS.

The entrance requirements of the various faculties and schools of the University are given in the General Announcement, and in the separate announcements of these faculties and schools. These announcements may be obtained from the Registrar's Office.

2. SPECIAL ENTRANCE REQUIREMENTS FOR EX-SERVICE MEN AND WOMEN

Ex-Service men and women should write to the Registrar's Office for information on the special entrance requirements that apply to them. When writing they should give details, as full as possible, of previous training and future academic ambitions. For details of the rehabilitation grants for veterans, see p. 94.

DAWSON COLLEGE

To provide accommodation for the great number of veterans who wish to study for a degree, the University in September 1945 opened Dawson College at St. Johns, Quebec, about twenty-five miles from Montreal. This college which was formerly an Air Observer Station of the R.C.A.F. is well equipped with living quarters, classrooms, laboratories, dining rooms, gymnasia, lounge rooms, and a theatre.

There is accommodation for a considerable number of married veterans, and special quarters for wounded men who are not yet perfectly fit. Application for special accommodation should be made early to the Vice-Principal, Dawson College, Quebec. The college has room for about 1,500 resident students.

The following students will, after September 1946, be in residence at Dawson College:

All students (men and women) in First Year Engineering

All male students in the First Year of the Faculty of Arts and Science (B.A., B.Sc., and B.Com.)

All Second Year male students in the General B.Sc. course, but not those taking an Honours course.

Exceptions:

Students may, in exceptional circumstances, be permitted to live in Montreal and commute to their lectures at Dawson College. Those seeking this special privilege which, it shuld be emphasized, will be granted only in exceptional cases, should apply to Professor A. H. S. Gillson, the Vice-Principal of Dawson College.

The monthly fees for Board and Residence at Dawson College are:

Single men or women	$39.00
Man and wife in one room	70.00
Man, wife, and child in two rooms	80.00
Health Fee for the Session (all students in residence)	3.00

For further information, applicants should write to the office of the Vice-Principal, Dawson College, Quebec.

Veterans should also consult the Veteran's Guide to the University, obtainable from the Registrar's Office.

3. APPLICATION FORMS.

Application forms for admission to the faculties of Arts and Science (including the school of Commerce), Engineering, Medicine, and Dentistry may be obtained from the Registrar's Office. Applications for admission to other faculties and schools should be made to the deans of the faculties or the directors of the schools concerned. All application forms give details of the certificates and records applicants must submit.

4. ADMISSION TO THE UNIVERSITY.

The admissions policy of the University is definitely selective and no guarantee can be given that a student who has complied with the minimum entrance requirements will be admitted. Students, therefore, should never come to the University until they have received an official acceptance of their applications.

5 INQUIRIES

The Registrar will be pleased to answer inquiries concerning the University and to give advice to anyone who contemplates applying for admission.

IMMIGRATION

All students entering Canada to attend courses at the University should obtain from the Registrar's Office an official letter of acceptance and should present this to the immigration authorities at the port of entry.

British Students

British students do not require passports to enter Canada but may require them if they wish to return and they are therefore advised to obtain them before leaving for Canada.

American Students.

American students do not need passports. They must, however, bring with them evidence of their American citizenship such as their birth certificate, baptismal certificate, naturalization certificate, or passport. They should register on arrival with the American Consulate General. Students coming from the United States of America who are not citizens of that country should carry evidence that they are legally in the United States, and prior to their return should obtain a re-entry permit from the American Immigration Department.

Other Students

All other students should carry passports

Reference: Department of Mines and Resources, Memorandum No. 595335—Imm.

HEALTH SERVICE

The object of the student Health Service is to ensure that every student enrolled at McGill University shall be enabled to obtain the maximum protection for the development and maintenance of health at reasonable cost, during the University sessions.

The facilities of the Health Service provide for the early discovery of any defects of health and direct the student to competent treatment for any serious defect which may be found. The personnel of the Health Service have all been chosen for their ability to give competent and sympathetic service.

The Health Service provides treatment for minor illnesses or accidents.

It is not the function of the Health Service to undertake the care of serious cases beyond the initial diagnosis and emergency treatment. The patient will then be referred to the physician or surgeon of his choice or to the public service of designated hospitals.

The families of out-of-town students will be notified of any serious illness, and the action of the Health Service will be guided by their wishes or the advice of their family doctor.

Students entering the University are presumed to be in good health. If not, a statement to the contrary should be furnished to the Health Service before registration in the University is completed.

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination against Smallpox. Students should be vaccinated before they come to the University. If they have not complied with this Government regulation, they will be vaccinated at the University and a fee of $5.00 will be charged. Failure to be vaccinated before a certain date in the term will involve an additional fine of $5.00.

The University is not responsible for damages of any kind resulting from accidents or athletic injuries which may occur, or for the medical or hospital expenses incurred by any person suffering an accident or athletic injury. In the case of injuries which occur during intercollegiate or intramural competition in athletics or in preparation therefor, the Health Service will render treatment, including hospitalization, if necessary, but any hospital expense in connection therewith shall be limited to the same maximum amount and conditions as in the case of hospitalization for illness. If circumstances appear to justify such action, the Director of the Department of Physical Education may authorize additional services or contributions towards such cost.

The Student Health Service is organized to provide:

(a) Annual examinations for all men and women students in the University at the beginning of each Session. The examination includes a complete clinical check, together with an X-ray of chest and routine laboratory procedures. It is designed to provide an evaluation of the student's physical and psychological condition. Participation in athletics is conditional upon the findings. The examination is compulsory for all students and is given during a stated period of time. Announcements appear on the notice board giving the date, time and place for each student. Any student who fails to be examined during the regular period is subject to a fine of $5.00. If the student fails to report on a subsequently specified date the fine is increased to $10.00. Should he fail to report after another request, he is suspended from the University.

Re-examination during the session is undertaken for any student who may seem to require it.

(b) Consultative service for all students during regular hours throughout the week at designated locations by physicians of the Health Service. This service is optional on the part of the student. Any services obtained by the student from a private physician are the students' responsibility. The University will not pay for such services.

A limited number of visits by a physician or nurse of the Health Service for those living away from home and confined to bed will be undertaken.

A student who has received medical attention for an illness or accident must be declared fit by the Health Service before he may resume participation in classes or athletics.

(c) Payment for one half of all public ward rates in a designated general hospital up to a maximum of $125.00 per student in any one session of the University, providing that the hospitalization is requisitioned by the Health Services.

This contribution is not applicable to hospital expenses for an illness or other condition which was known or ascertained at the time of admission.

Detailed information will be furnished each student at the time of registration.

BOARD AND RESIDENCE

I. For Men

Douglas Hall of Residence.

Douglas Hall was opened in September 1937. It is built on the staircase plan, each student normally having his own study-bedroom and sharing a sitting room with two other men, the three study-bedrooms and the sitting room forming a self-contained and separate suite. Meals, under the supervision of a qualified dietitian, are served in the attractive refectory and residents have in addition the use of adequate common rooms, play rooms, etc.

Normal Fees for Board and Residence:

Engineering and Architecture	$438.00
Arts, Science, Commerce, Law	478.00
Dentistry and Medicine	553.00

Due to limited accommodation, a few students will be required to share a study-bedroom, in which case a rebate of $40.00 on the normal fee will be allowed.

Beatty Memorial Hall.

Beatty Memorial Hall, acquired in 1945, has accommodation for approximately seventy students, most of whom share a double room. Otherwise the facilities of dining room and common rooms are similar to those at Douglas Hall.

Normal Fees for Board and Residence:

Engineering and Architecture	$433.00
Arts, Science, Commerce and Law	468.00

Students sharing a double room will be allowed a rebate of $40.00 on the normal fee.

One half of the fee is payable at the beginning of the session, and the balance on February 1st.

Students who are in residence for any additional period are charged extra at the rate of $2.00 per day.

Application forms for both residences may be obtained from the Warden's Office, Douglas Hall of Residence.

LODGINGS.

Before the opening of the session each year a list of Approved Lodgings which have been inspected by a representative of the University is issued by the Lodgings Committee. This List which gives details of rooms, meals, prices, etc., may be consulted in the Registrar's Office, the Students' Union, and other University Buildings. The list is not sent by mail.

The cost of board and lodging in approved rooms varies from $50 to $75 per month. Separately, good board costs from $35, and a room from $20 upwards per month.

Board is furnished in the McGill Union at low rates.

Board and lodging for men may also be obtained in the Diocesan College, which is affiliated with the University.

II. FOR WOMEN

THE ROYAL VICTORIA COLLEGE

The present building of the Royal Victoria College was erected in 1899 under the terms of the endowment created by the late Rt. Hon. Baron Strathcona and Mount Royal for the education of women at McGill University. The extension was built in 1930-31 and adjoining land has recently been acquired for the purpose of providing additional facilities.

All women undergraduates registered at McGill University are automatically members of the Royal Victoria College, whether in residence or not, and are required by the University to complete the supplementary registration forms of the Royal Victoria College.

The activities of all women students center in the college, which contains a separate library, gymnasium facilities, health offices and accommodation for the Women's Union, as well as residential quarters and the Warden's office.

The Warden has general supervision over all the academic activities of the women students. Under the University statutes, she is responsible for "the preservation everywhere of the good character and good name of the College." To this end she has jurisdiction over all women's extra-curricular activities.

ADMISSION.

To be eligible for residence students must have fulfilled all the entrance requirements of McGill University, have been officially accepted

for a full course leading to a degree or diploma and have complied with the health regulations (see paragraph on health).

Admission to residence is based upon scholarship, character, health and general promise.

APPLICATION.

Application forms may be secured either from the Registrar's Office of the University or from the College, and when completed should be addressed to the Warden, Royal Victoria College, McGill University, Montreal. It is to the candidate's advantage to make application early and in any case by May 15th. (Students should not await the results of their matriculation examinations before applying.) While the date of application is not considered in the selection of candidates, rooms are assigned to those accepted in the order in which forms are received.

RESIDENCES.

The College has accommodation for 137 students only, but residence with board for approximately 90 students is available at Strathcona Hall, a residence building one block west of Royal Victoria College on Sherbrooke Street, and at McLennan Hall on Ontario Avenue. McLennan Hall, formerly the home of Miss Isabella C. McLennan, and recently donated by her to the University, is within 10 minutes walking distance of the College. Breakfast is served at the Hall and other meals at Royal Victoria College.

OPENING AND CLOSING OF RESIDENCES.

Registration dates for women students are as follows:

Wednesday, September 25th —	B.A.	3rd and 4th years
	B.Sc.	2nd, 3rd and 4th years
	B.Com.	3rd and 4th years
Thursday, September 26th —	B.A.	1st and 2nd years
	B.Sc.	1st year
	B.Com.	1st and 2nd years
	Pre-Physiotherapy	

A late registration fee of $5.00 will be charged to any woman student registering late.

Residences will open for all students on Tuesday, September 24th, when the mid-day meal will be the first to be served. *Students will not be admitted before this date.*

All students except seniors are expected to leave in May within 48 hours of their last examination, seniors by the day after Convocation.

ROOMS AND FURNISHINGS.

In the Royal Victoria College there are 130 single rooms and 7 double rooms. The rooms are furnished with the following: couch bed, bedding and linen (2 blankets, pillow, sheets, pillow cases, bath towels, face towels),

muslin curtains, small rug, bureau, desk, bookcase, desk chair, waste-basket, and study lamp. Couch coverings and bureau scarves are not provided.

In Strathcona Hall there are 45 single rooms and 9 double rooms, with furnishings similar to Royal Victoria College.

At McLennan Hall the rooms are large and accommodate two or three students each, except for two single rooms. The furnishings include couch beds, bedding and linen (two blankets, pillow, sheets, pillow cases, bath towels, face towels), bureaus, desks, chairs, waste-baskets, and study lamps. Couch coverings and bureau scarves are not provided

RATES.

The charge for board and residence in Royal Victoria College for a student occupying a single room is $453.00 and for a student occupying a double room is $428.00. This charge covers the period of the University session (Arts and Science) exclusive of the Christmas holiday. Students who are in residence for any additional period for purposes of instruction, practice teaching, or examinations are charged extra at the rate of $2.00 per day.

The charges for board and residence in Strathcona Hall are $403.00 for a single room and $378.00 for a double room.

The charge for residence at McLennan Hall is $453.00 for the single rooms and $378.00 for all others.

Students who are in residence at Strathcona Hall or McLennan Hall for any additional period are charged extra at the rate of $2.00 per day.

ROOM DEPOSITS.

A deposit of $20.00 is necessary in order to reserve a room for the next session and returning students should file a room application and make the deposit not later than June 1st.

The deposit will be refunded to any student who withdraws from residence before September 1st.

Rooms are not reserved for students whose standing at the end of the session does not entitle them to proceed to the next year.

RESIDENCE OUTSIDE THE COLLEGE.

Students not residing with their parents or guardians should apply for residence in the Royal Victoria College or Strathcona Hall or McLennan Hall or consult with the Warden with regard to living outside. A list of approved boarding houses with details of rooms, prices, etc , may be consulted at the Royal Victoria College. All women students living out of residence must obtain the Warden's written approval of their living arrangements and no student may change her lodging without the written consent of the Warden.

No sanction can be given to establishments of students in apartments or elsewhere unless such households are presided over by a parent or other responsible person approved by the Warden.

There is accommodation for meals at both Royal Victoria College and Strathcona Hall for a limited number of students in lodgings.

HEALTH.

The health service for both resident and non-resident students is part of the University Health Service. The Assistant Physician for the Royal Victoria College, Dr. M. Dorothea Mellor, is assisted by the resident nurse.

No student who has an infectious illness or who comes from a house in which there has been an infectious illness may enter or return to the College unless the regulations of the Provincial Department of Health are observed. In all such cases the Warden must be notified and official consent secured. All students entering the University for the first time are required according to Provincial regulations to present a certificate or other satisfactory evidence of successful vaccination within seven years, or of insusceptibility to vaccine within five years.

FEES

I. UNIVERSITY FEES

These fees include all the regular charges of the University for tuition, health service, registration, libraries, laboratories, physical education, sports, games, and graduation. The only additional fees are (1) Caution Money which is returnable (*see page 91*) and (2) the Students' Society Fee (*see page 91*).

FULL-TIME REGULAR STUDENTS.

Arts	$232.00
Science	252.00
Engineering	277.00
Medicine (British students)	377.00
Medicine (Non-British students)	477.00
Dentistry (British students)	327.00
Dentistry (Non-British students)	367.00
Law	252.00
Music	227.00
Library School	257.00
Commerce	252.00

Graduate Faculty	147.00	167.00*
School of Physical Education (Degree Course)		262.00
School for Graduate Nurses (Diploma Course)		187.00
School for Graduate Nurses (Degree Course)		232.00
Physiotherapy		252.00

*The higher fee if laboratory courses are taken.

CONDITIONED STUDENTS.

Special fee for an additional course repeated or substituted (one full course or two half courses) $10.00

LIMITED UNDERGRADUATES IN THE FACULTY OF ARTS AND SCIENCE.

First and Second Years, per course	$55.00
Other years, per course	65.00

PARTIAL STUDENTS

	Half Courses	Full Courses
Arts, Science and Commerce, per course	$30.00	$60.00
Engineering, per hour of instruction, per week	10.00	10.00

The maximum fee for a partial student is the full undergraduate fee.

Information concerning the fees payable by partial students taking other courses may be obtained from the Bursar's office.

Partial students pay $5.00 for Athletics and are entitled to use the outdoor facilities, tennis courts, rinks, etc. If they desire the full athletic and health service privileges of a regular student the fee payable is $22.00. Such students must be medically examined at the time of registration.

Partial students who pay the full undergraduate fee are entitled to the use of the Student Health Service and all facilities of the Department of Physical Education enjoyed by regular students.

PAYMENTS BY INSTALMENTS.

Fees may be paid in two instalments, one at the beginning of the session and one on the 1st of February following. For this privilege the fee (payable $2.50 with each instalment) is ..... $ 5.00

II. SPECIAL FEES AND PENALTIES

Late registration (first week) extra	$ 5.00
Late registration (second week) extra	10.00
Late payment fee (after specified date)	2.00
Fine for late medical examination (*see page* 84)	5.00 or 10.00
Graduation *in absentia*	10.00

Duplicate Diploma	10.00
Certified copy of student's record	1.00
Additional copies (at same time)	.50
Certificate of exemption from Matriculation	2.00
Supplemental examinations, each paper	10.00
Rental of microscope (*for students in Dentistry*)	7.50

McGill graduates and graduates of other Universities may use the University Library on payment of an annual fee of $5.00.

III. Caution Money

Every student is required to make a deposit of $10 as Caution Money to cover damage to furniture, apparatus, books, etc. This amount, less deductions, is returned at the close of the session. Students in the Graduate Faculty taking Chemistry make a deposit of $20.00.

IV. Students' Society Fees

An annual fee of $10 ($11 in Engineering) is payable by all undergraduates for the support of student organizations.

Medical students pay an additional $2.00 for the Medical Journal

The men's fee is distributed as follows: McGill Union $3.50; McGill Daily $1.50; Students' Executive Council $4.00; Undergraduate Society $1.00.

The women's fee is distributed as follows: Women's Union $3.50; McGill Daily $1.50; Students' Executive Council $4.00; Undergraduate Society $1.00.

Fees for the use of the gymnasium, the rinks, and tennis courts, and free admission to all home games of University teams are included in the University Fees given on pages 89-90.

REGULATIONS FOR PAYMENT OF FEES

1. Fees are due and payable at the Bursar's Office immediately after registration; exact dates are shown in the announcements of the various Faculties and Schools. A late fee of $2.00 is charged for payment after the specified dates.

2. The University does not issue bills for fees. Each student is required, at the time of registration, to complete a form giving full details of his fees for the session. This form provides a detailed statement to accompany remittances sent by mail.

3. Fees may be paid in two instalments, one at the beginning of the session, and one on February 1st following. In such cases the instalment fee of $5.00 is charged.

   1st Instalment

   Divide Tuition, Board and Residence, and Instalment Fees in half. All other fees and deposits are payable in full with first instalment.

   2nd Instalment

   Balance of Tuition, Board and Residence, and Instalment Fees.

4. Domicile in general determines whether a student pays the British or the Non-British fees in Medicine and Dentistry. A student who is uncertain which rate he is required to pay should consult the Registrar.

5. Students registering late pay their fees at the time of registration, failing which they become subject to the provisions of the following paragraph:

   Immediately after the prescribed dates for the payment of fees the Bursar will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

6. Further details concerning fees in the Faculty of Graduate Studies and Research are given in the announcement of that Faculty.

REGULATIONS CONCERNING REMISSION OF FEES TO STUDENTS WHO LEAVE THE UNIVERSITY DURING THE COURSE OF THE ACADEMIC YEAR

1. Students withdrawing from the University must cancel their registration at the Registrar's Office.

2. In the case of students who, in spite of the fact that they leave the University before the end of the academic year, receive full credit for the year towards their degree, there shall be no refund of fees.

3. In the case of students who leave during the academic year and do not receive credit beyond the period of their attendance, the fees shall be remitted on the following basis:

   (a) In those Faculties where the academic year is divided into two terms, half of the annual fees shall be remitted to a student who leaves prior to the beginning of the second term.

   (b) In those Faculties where the year is divided into three terms, one-third of the fees shall be returned for each term that begins after the departure of the student.

4. No fees shall be refunded for any term during which the student has attended classes, even though he leaves before the term has finished.
5. Board and residence fees are payable for the full academic year and shall not be refunded.
6. Students' Activities fees shall not be refunded.

EXPENSES

It will be seen that each student pays annually three fees, (1) his inclusive University fee (2) a Student's Activity fee (3) a caution money deposit. There are no other regular fees and the only extras are for late registration, for graduation *in absentia*, etc., as listed above. Consequently the expenses of a student may be estimated by adding these three fees and the cost of board and lodging (*see pages 85 to 89*). Books are necessarily a variable expense, but probably $30 a year would be about their average cost in Arts and Science. Personal expenditure upon clothes, amusements, etc., is still more variable and no useful estimate is possible.

PART-TIME EMPLOYMENT

The Students' Council runs an Employment Agency which helps students to obtain summer work and, when possible, part-time work during the session. Students taking a regular degree course generally have insufficient leisure to make heavy part-time work during the term advisable, and they are recommended not to rely upon earning any money while actually at college

SPORTS FOR MEN

There is intercollegiate competition in approximately twenty different sports including, football, hockey, track, basketball, skiing, swimming, boxing, wrestling, fencing, and golf, and, in addition, there is a wide programme of intra-mural competition in various sports. The Sir Arthur Currie Memorial Gymnasium provides accommodation for many indoor activities, while Mount Royal in Montreal and the Laurentian Mountains north of Montreal provide excellent skiing country. A student in good health thus has ample opportunities for exercise and pleasant recreation.

SPORTS FOR WOMEN

For women students there is a wide choice of voluntary sports and recreations including archery, basketball, dancing, gymnastics, skating, skiing, swimming and tennis. Special care is taken that no student undertakes any exercise for which she is physically unsuited

GOVERNMENT GRANTS TO MEN AND WOMEN RETURNING FROM ACTIVE SERVICE

The following summary of grants made under the Post Discharge Re-Establishment Order, P.C. 5210, has been made by the Federal Department of Pensions and National Health:

UNIVERSITY TRAINING

I. UNDERGRADUATE—PARA. 8, P.C. 5210.

The Minister has authority to approve training, including maintenance grant and fees—together with appropriate allowances for dependents—to any discharged person who has the aptitude and inclination and who:

(*a*) has been regularly admitted to a university before his discharge and resumes within one year and three months after discharge a course, academic or professional, interrupted by his service, or

(*b*) becomes regularly admitted to a university and commences any such course within one year and three months after his discharge; or

(*c*) because of ill health or because his admission to the university has been conditional upon his fulfilling some additional matriculation requirements or for any other good reason shown to the satisfaction of the Minister, delays resumption or commencement of such course beyond the aforementioned periods.

The opportunity for university training is governed by the length of service. Where progress is satisfactory, the assistance may be continued for as many months, in university, as the man served in the Forces. If the student's progress and *attainments* in his course are such that the Minister deems it in his interest and in the public interest, the payment of the grant may be extended beyond the period of service to permit the man to complete his course.

However, the grant shall not be continued to any such person who fails in more than two classes or subjects in any academic year, nor to any such person who having failed in either one or two classes or subjects also fails in either or both supplementary examinations next offered by the university in such classes or subjects.

NOTE: "*Attainments*" means unconditioned standing in the top 25% (first quartile) of his class on the final examinations on the full work of the year next preceding the year in which his period of entitlement expires.

II. POST-GRADUATE—Para. 9, P.C. 5210.

In case any discharged person

(*a*) *has entered upon a post-graduate course, either academic or professional, in a university before enlistment, or was about to do so at the time of his enlistment,* or having completed his under-graduate course in a university after his discharge, enters upon a post-graduate course as aforesaid, and

(*b*) resumes or commences such post-graduate course within

i. One year from his discharge, or

ii. one year from the commencement, next following his discharge, or such course in such university, if his discharge precedes such commencement by not more than three months, or

iii. in case of a discharged person who completes his under-graduate course after his discharge, as soon as may be after such completion,

if the Minister having considered such person's attainments and his course, deems it in the public interest that he should continue such course, the Minister may, subject to the provisions of this Order, authorize the payment to such person of a maintenance grant and fees for as many months as he served. The assistance may be extended if the progress and *achievements* are so outstanding that it is in the public interest that the grant should be continued.

VOCATIONAL, TECHNICAL, OR OTHER EDUCATIONAL TRAINING—PARA. 6, P.C. 5210.

This makes provision for

(1) Resumption of education leading to high school graduation or matriculation.

(2) "Refresher" or "brush-up" courses in the professions.

The Minister has authority to approve training, including maintenance grant and fees—together with appropriate allowances for dependents—to any discharged person, provided he has the aptitude and inclination where:

i. such person is pursuing vocational, technical or other educational training;

ii. the Minister approves such training as being training which will fit him or keep him fit for employment or re-employment or will enable him to obtain better or more suitable employment, and

iii. he makes progress in such training to the satisfaction of the Minister.

NOTE: This training is governed by the length of the man's service in the Forces, with a maximum of twelve months.

MAINTENANCE GRANTS

A "grant" under the provisions of paragraph 6, 8 or 9 of this Order means a grant at the rate of $60.00 per month in the case of an unmarried person and at the rate of $80.00 per month in the case of a married person, together with, in either case, such additional allowance for dependents, if any, as provided by subparagraph 3 hereof, and, in either case, reduced by such amount on account of any pension, wages, salary or other income such person may have received or be entitled to receive in respect of the period for which such grant is paid, as to the Minister seems right.

(Sub-para. 3). Additional allowance may be paid to or on behalf of the following dependents at the following rates per month and subject to the following conditions:

Additional allowance for person in lieu of wife	$20.00
Additional allowance for one child	12.00
Additional allowance for second child	12.00
Additional allowance for third child	10.00
Additional allowance for each subsequent child not in excess of three	8.00
Additional allowance for parent or parents	15.00

CALENDAR FOR THE SESSION 1946-47

1946

May 27th, Monday. Summer Session in the Faculty of Arts and Science begins.

May 29th, Wednesday. Convocation. No lectures.

June 27th, Thursday. French Summer School begins.

July 1st, Monday. Dominion Day. No lectures.

August 9th, Friday. French Summer School ends.

August 16th, Friday. Lectures end in the Faculty of Arts and Science Summer Session.

August 19th, Monday. Examinations begin in the Arts and Science Summer Session.

September 3rd, Tuesday. Students register in all years of Medicine and Dentistry. Public Health Nurses report for field work. Summer School in Mechanical Engineering begins. High School Diploma students report for training in the Department of Education. Last day for filing graduate theses for Autumn Convocation.

September 4th, Wednesday. Lectures begin in all years of Medicine and Dentistry. Seminars and field work begin for High School Diploma students. School Certificate Examinations begin.

September 9th, Monday. Second and Third Year Students in the School of Physical Education report for field work.

September 9th, Monday. Supplemental Examinations begin in Arts and Science, Commerce, Engineering, Architecture, and in the School of Physical Education. Architectural Sketching School begins.

September 13th, Friday. Teaching and Supervision students report for field work in the School for Graduate Nurses.

September 14th, Saturday. Last day for reports on Ph.D. theses.

September 16th, Monday. Last day for reports on Masters' theses. Special Summer School in Surveying begins. Conservatorium of Music opens for practical work.

September 17th, Tuesday to September 21st, Saturday. Final orals for Ph.D.

September 20th, Friday, and September 21st, Saturday. Students register in the Library School.

September 23rd, Monday. Registration begins in the Faculty of Arts and Science.

September 23rd, Monday. Lectures begin in the Library School.

September 24th, Tuesday, and September 25th, Wednesday. Students register in the School of Physiotherapy.

September 26th, Thursday. Freshman Day. Faculty of Arts and Science.

September 26th, Thursday. Registration begins in the Faculty of Engineering.

September 26th, Thursday, to September 28th, Saturday. Students register in Law.

September 27th, Friday, and September 28th, Saturday. Students register in the School for Graduate Nurses, and the School of Physical Education.

September 30th, Monday. Lectures begin in Arts and Science, Commerce, Engineering, Architecture, Law, Agriculture, Household Science, Music, Graduate Studies and Research, the School for Graduate Nurses, the School of Physiotherapy, and the School of Physical Education.

September 30th, Monday. Last day for handing in summer essays in the Faculty of Engineering.

October 1st, Tuesday. Last day for receiving candidates' applications and Sessional registration forms in the Dean's Office, Faculty of Graduate Studies and Research.

October 5th, Saturday. Founder's Day Convocation.

October 6th, Sunday. Founder's Day.
(James McGill born October 6th, 1744, died December 19th, 1813.)

**Thanksgiving Day.* No lectures.

October 26th, Saturday. Last day for registration and payment of fees in the Faculty of Graduate Studies and Research, and for submitting certificates regarding summer employment in the Faculty of Engineering.

December 2nd, Monday, to December 10th, Tuesday. Examinations in French and German for Ph.D. students.

December 13th, Friday. First term ends in the Library School.

December 16th, Monday. Second term examinations in Arts and Science begin.

December 17th, Tuesday, to December 20th, Friday. Examinations in the Library School.

December 20th, Friday. Last day of lectures in all other Faculties and Schools.

1947.

January 3rd, Friday. Lectures resumed in Medicine, Dentistry, Law, and Graduate Studies.

January 4th, Saturday. First term ends in Law.

January 6th, Monday. Lectures resumed in the Library School, and in Music.

January 6th, Monday. First term examinations in Arts and Science, Engineering, Architecture, Physical Education, the School for Graduate Nurses, and Physiotherapy.

January 6th, Monday. Second term begins in Law.

January 10th, Friday. Second term begins in Arts and Science, Commerce, Engineering, Architecture, Physical Education, the School for Graduate Nurses, and Physiotherapy. Special January Courses begin.

February 10th, Monday. Founder's Day at Macdonald College.
(Sir William Macdonald born February 10th, 1831, died June 9th, 1917.)

Library School trip. Dates to be announced.

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*Thanksgiving Day will be a University Holiday. The date will be proclaimed later by the Dominion Government.

April 3rd, Thursday. Lectures end in all years of Engineering and Architecture.

April 4th, Friday, to April 7th, Monday (inclusive). Easter vacation.

April 8th, Tuesday. Examinations begin in all years of Engineering and Architecture.

April 17th, Thursday. Last day for filing Ph.D. theses.

April 18th, Friday. Lectures end in all Faculties and Schools except Medicine, Dentistry, the Library School and Music.

April 23rd, Wednesday. Last day for filing Masters' theses not involving experimental work. Examinations begin in the Theory of Music.

April 23rd, Wednesday. Examinations begin in Arts and Science, Commerce, Law, Physical Education, Agriculture, Household Science, the School for Graduate Nurses, and Physiotherapy.

May 2nd, Friday. Lectures end in the Library School.

May 3rd, Saturday. Last day for filing Masters' theses involving experimental work.

May 5th, Monday. Practical examinations begin in Music.

May 6th, Tuesday. Examinations begin in the Library School and in Higher Theoretical Music.

May 8th, Thursday. Last day for reports on Ph.D. theses and for reports on graduate examinations.

May 10th, Saturday, to May 17th, Saturday. Final orals for Ph.D.

May 10th, Saturday. Lectures end in Music.

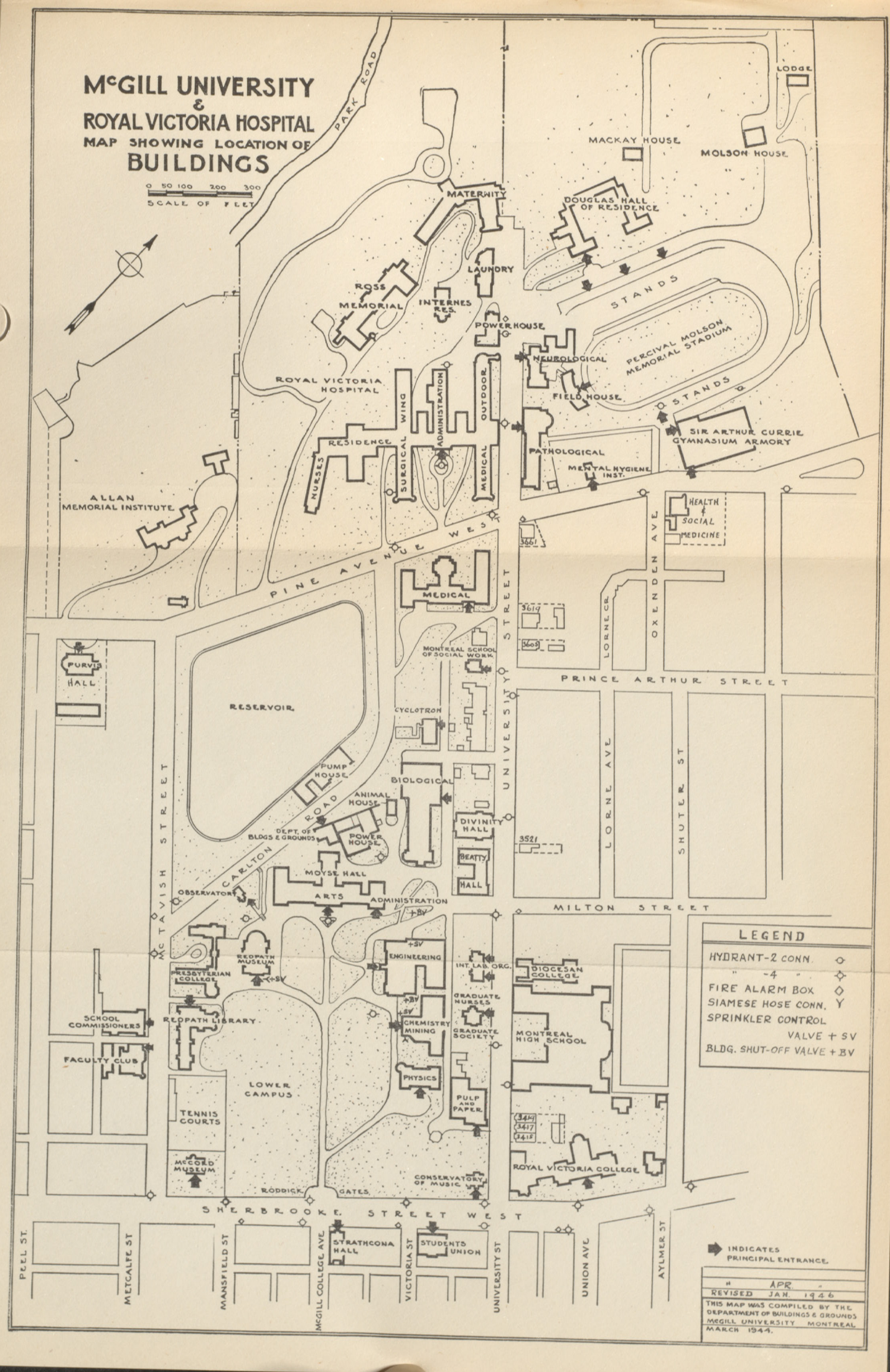
May 12th, Monday, to May 24th, Saturday. Practice work in the Library School.

May 14th, Wednesday. Last day for reports on Masters' theses.

May 17th, Saturday. Lessons in Practical Music end at Conservatorium of Music.

May 28th, Wednesday. Convocation.

June 16, Monday. School Certificate Examinations begin.


McGILL UNIVERSITY
&
ROYAL VICTORIA HOSPITAL
MAP SHOWING LOCATION OF
BUILDINGS
0 50 100 200 300
SCALE OF FEET
PARK ROAD
LODGE
MACKAY HOUSE
MOLSON HOUSE
MATERNITY
DOUGLAS HALL OF RESIDENCE
LAUNDRY
ROSS MEMORIAL
INTERNES RES.
STANDS
POWER HOUSE
NEUROLOGICAL
PERCIVAL MOLSON MEMORIAL STADIUM
ROYAL VICTORIA HOSPITAL
OUTDOOR
ADMINISTRATION
SURGICAL WING
MEDICAL
FIELD HOUSE
STANDS
SIR ARTHUR CURRIE GYMNASIUM ARMORY
RESIDENCE
NURSES
PATHOLOGICAL
MENTAL HYGIENE INST.
ALLAN MEMORIAL INSTITUTE
PINE AVENUE WEST
HEALTH & SOCIAL MEDICINE
OXENDEN AVE
3661
MEDICAL
3619
3609
LORNE CR.
UNIVERSITY STREET
MONTREAL SCHOOL OF SOCIAL WORK
PRINCE ARTHUR STREET
PURVIS HALL
RESERVOIR
CYCLOTRON
PUMP HOUSE
BIOLOGICAL
ANIMAL HOUSE
DEPT. OF BLDGS & GROUNDS
POWER HOUSE
DIVINITY HALL
3521
BEATTY HALL
LORNE AVE
SHUTER ST
McTAVISH STREET
CARLTON ROAD
MOYSE HALL
OBSERVATORY
ARTS
ADMINISTRATION
+BV
MILTON STREET
+SV
ENGINEERING
INT. LAB. ORG.
DIOCESAN COLLEGE
REDPATH MUSEUM
+SV
PRESBYTERIAN COLLEGE
GRADUATE NURSES
+BV
+SV
CHEMISTRY MINING
GRADUATE SOCIETY
MONTREAL HIGH SCHOOL
SCHOOL COMMISSIONERS
REDPATH LIBRARY
FACULTY CLUB
PHYSICS
LOWER CAMPUS
PULP AND PAPER
TENNIS COURTS
3417
3415
McCORD MUSEUM
ROYAL VICTORIA COLLEGE
CONSERVATORY OF MUSIC
RODDICK GATES
SHERBROOKE STREET WEST
PEEL ST.
METCALFE ST.
MANSFIELD ST
McGILL COLLEGE AVE.
STRATHCONA HALL
VICTORIA ST
STUDENTS UNION
UNIVERSITY ST
UNION AVE
AYLMER ST
LEGEND
HYDRANT-2 CONN.
" -4 "
FIRE ALARM BOX
SIAMESE HOSE CONN.
SPRINKLER CONTROL VALVE + SV
BLDG. SHUT-OFF VALVE + BV
INDICATES PRINCIPAL ENTRANCE.
" APR. "
REVISED JAN. 1946
THIS MAP WAS COMPILED BY THE DEPARTMENT OF BUILDINGS & GROUNDS MCGILL UNIVERSITY MONTREAL
MARCH 1944.

McGILL UNIVERSITY

MONTREAL



FACULTY OF MEDICINE

1946-1947

TABLE OF CONTENTS

	Page
Administrative Officers	605
Admission to Medicine	607
Alpha Omega Alpha Honorary Medical Society	657
Anatomy	617
Anæsthesia	641
Bacteriology	621
Biochemistry	619
Board and Lodging	610
Buildings	652
Bursaries	615
Clinical Therapeutics	627
Course for the Degree of M.D., C.M.	610
Courses of Instruction	617
Dermatology	627
Diploma of Public Health	650
Diploma of Tropical Medicine	651
Dominion Registration	616
Embryology	618
Entrance Requirements	607
Equivalent Standing in Medicine	607
Examinations	612
Fees	609
Fellowships	615
General Council of Medical Education, Great Britain	616
Grading	614
Graduate and Advanced Courses	649
Gynæcology	643
Health Service	610
Health and Social Medicine	624
Histology	617
Hospitals	653
Immunology	621
Institute of Endocrinology	648
Library	655
Loan Fund	615

	Page
Medals	615
Medical Jurisprudence	627
Medical Societies	657
Medicine	626
Microscopes	610
Microscopic Anatomy	618
Neurology and Neurosurgery	635
Obstetrics	642
Ophthalmology	644
Orthopædic Surgery	639
Osler Library	656
Osler Society	658
Oto-Laryngology	645
Parisitology	623
Pathology	619
Pædiatrics	633
Pharmacology	625
Physiology	618
Prizes	615
Promotion	614
Psychiatry	632
Radiology	647
Reciprocity with Great Britain	616
Registration	608
Requirements for Degree of M.D., C.M.	615
Requirements for Licence	615
Research Institute of Endocrinology	648
Scholarships	615
Surgery	637
Therapeutics	626
Undergraduate Medical Society	657
Urology	640

McGILL UNIVERSITY

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

Principal.....F. Cyril James, Ph.D., D.C.L.

Dean of the Faculty.....J. C. Meakins, C.B.E., M.D., F.R.C.S., F.R.C.P., F.R.S.C.

Secretary of the Faculty.....J. F. McIntosh, B.A., M.D., C.M.

Bursar.....W. Bentley, C.G.A., A.C.I.S.

Registrar.....T. H. Matthews, M.A.

University Librarian.....Gerhard R. Lomer, M.A., Ph.D., F.L.A.

Honorary Medical Librarian.....R. L. Stehle, M.A., Ph.D.

Osler Librarian and Director of the Museum of the History of Medicine.W. W. Francis, A.B., M.D.

Assistant Secretary of the Faculty.....Miss G. D. Mudge.

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate announcement, which may be obtained from the Registrar's Office. The announcement also contains the names of members of the staff on active service.

FACULTY OF MEDICINE

The one hundred and fourteenth session of the Faculty will open on September 4th, 1946, for students of the 1st year.

REQUIREMENTS FOR ENTRANCE

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof), including courses in the following subjects: Physics, one year with laboratory work; Biology, one year of General Biology or Zoology with laboratory work; half year of Botany and half year of Zoology will be accepted, but not one year of Botany alone; Chemistry, two full courses, including one full course of Organic Chemistry with laboratory work. Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body where they wish to practise.

EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than March 1st.

A fee of $25.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Tuesday, September 3rd, 1946. Those who register after this date will be required to pay a late registration fee of $5.00 if they register during the first week of the session and $10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

FEES

UNIVERSITY FEES

1. Regular Students.

Annual fee for British students	$375.00
By instalments: each of two instalments	190.00
Annual fee for Non-British students	475.00
By instalments: each of two instalments	240.00

2. Repeating a Year.

British students repeating a year pay	375.00
Non-British students repeating a year pay	475.00

3. Partial Students.

Qualified students may be admitted as partials to one or more courses on payment of special fees.

4. Ad Eundem Fee.

Students entering any year above the first pay a special *ad eundem* fee of $10.00

5. Diploma of Public Health Fees.

The fee for the graduate course in Public Health, including laboratory and outdoor work, as well as student Health Service fee, is $250.00, of which $25.00 is to be deposited on acceptance of application.

6. Diploma of Tropical Medicine Fees.

The fee for the course leading to this diploma is $50.00 if preceded by the D.P.H. course at McGill University or $100.00 for those already holding the D.P.H.

7. Caution Money.

Payable by every student, and returned, less deductions for damage, loss, etc., at the end of the session $10.00

Commencing 1947, Caution Money Deposits will no longer be required but a non-refundable levy will be added to sessional fees $1.00

STUDENT FEES

Fees for the Support of Student Organizations.

Regular students (men)	$12.00
Regular students (women)	10.00
Partial students	5.00

DATES OF PAYMENT

Fees are due and payable at the Bursar's Office between the hours of 9 a.m. and 4 p.m. on the following dates:—

Tuesday, September 3rd, to Thursday, September 5th, inclusive, or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional $2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration ailing which they become subject to the provisions of the above paragraph.

Immediately after the prescribed dates for the payment of fees the Bursar will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Bursar.

All fees are payable in Canadian currency.

Domicile will in general determine whether a student pays the British or Non-British fees. A student who is uncertain which rate he will be required to pay should consult the Registrar.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

Microscopes

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine. Suitable microscopes may be secured through the University, either by outright purchase or on an annual rental basis. If the student desires at a later date to purchase the instrument which he has been using, the rental fees are credited to his account.

BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement (page 85 to 89).

HEALTH SERVICE

For details of the Health Service and Medical Examinations see the General Information Pamphlet included in this Announcement (page 83).

COURSES FOR THE DEGREE OF M.D., C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

a. four years of medical study in the University leading to the degree of M.D., C.M.; and

b. one year of interneship in an approved hospital.

OR

one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

While the Faculty Administration exercises a general supervision of arrangements for interneships, the Faculty of Medicine assumes no responsibility to provide an interneship for any student.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are three sessions of thirty-six weeks each and one session (final session) of thirty-two weeks, all exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day) and continue until the first week of June in the first three years and to the first week in May in the final year.

The academic session is divided into four terms in the first and fourth session and into three terms in the second and third sessions. The minimal period of study for the degree of M.D., C.M., is, therefore, four sessions of study comprising one hundred and forty weeks exclusive of examination periods.

The arrangement of the principal subjects of instruction is usually as follows:

First Session:

Anatomy (including Histology and Embryology), Physiology, Biochemistry, Psychobiology and Medical Sociology, Introduction to Medicine.

Second Session:

Pharmacology, General Pathology, Bacteriology and Immunology, Parasitology, Laboratory Diagnosis, Medicine, Surgery, Obstetrics, Health and Social Medicine, Psychiatry.

Third Session:

Special Pathology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynæcology, Pædiatrics, Psychiatry, Therapeutics, Ophthalmology, Oto-laryngology, Medical Jurisprudence, Radiology, Anaesthesia.

FOURTH SESSION:

Medicine,* Surgery,* Obstetrics and Gynæcology, Psychiatry, Pædiatrics, Ophthalmology, Otolaryngology, Radiology, Neurology and Neuro-Surgery.

*In these subjects are included the following:—

Medicine—Dermatology, Clinical Therapeutics.

Surgery—Orthopædics, Urological Surgery, Anæsthesia.

EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely, major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology) Histology, Physiology, Biochemistry, Pharmacology, Bacteriology and Immunology, Pathology, Health and Social Medicine, Pædiatrics, Medicine, Surgery, Obstetrics and Gynæcology, Psychiatry.

Minor examinations include the final examinations in Parasitology, Laboratory Diagnosis, Medical Jurisprudence, Therapeutics, Ophthalmology, Otolaryngology, Radiology and examinations preliminary to the final major examinations.

A student who fails in any major examination will be required before he sits a supplemental examination to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplemental of one (or two) minor examination may proceed with other subjects in the following year, carrying such subject as a condition, but may not sit any subsequent major examinations until such conditions have been removed, nor may more than two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked

to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in examinations, except on special recommendation of the Promotion Committe, acting upon the motion of the representatives on the committee of the department concerned.

A student who has been permitted to repeat his year shall be required to make a C+ grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

A schedule of the times of major and minor examinations shall be published as a supplement to these ordinances at the beginning of each academic session.

Examinations, tests, reviews, etc., may be held during the session by any department in its time of instruction, provided that no more than

twenty-four (24) hours' notice is given. It is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know how he is progressing in his studies.

There shall be two Promotion Committees. The First Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Bacteriology, Parasitology, Pathology, and Endocrinology, appointed by the Dean, and the Dean and Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the first and second years. The second Committee shall consist of representatives of the Departments of Pathology, Bacteriology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynæcology and Pædiatrics, appointed by the Dean, and the Dean and Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the third and fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.

C. GRADING

At the conclusion of each course, students are graded in five groups as follows:—

A = Excellent
B = Good
C = Fair
D = Doubtful
E = Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

The grade assigned to a student is based upon the results of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

FELLOWSHIPS, SCHOLARSHIPS, BURSARIES, MEDALS, PRIZES, AND LOAN FUNDS

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund may be found in the Scholarships Announcement.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.

2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 610).

3. No one is permitted to become a candidate for the degree who has not attended at least one full session at this University.

4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.

5. He must have attended during at least three sessions of nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.

6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.

7 Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained. This has been changed to four years as a war-time measure.

N.B.—In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC—Dr. J. Paquin, 1896 Dorchester St. West, Montreal.

ONTARIO—Dr. Robert T. Noble, 566 University Ave. Toronto, Ont.

NEW BRUNSWICK—Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

NOVA SCOTIA—Dr. H. L. Scammell, 196 Atlantic St., Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. H. D. Johnson, Charlottetown, P.E.I.

MANITOBA—Dr. W. G. Campbell, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. W. Bramley Moore, 504 Southam Bldg., Calgary, Alta.

SASKATCHEWAN—Dr. A. W. Argue, 307 Birks Bldg., Saskatoon, Sask.

BRITISH COLUMBIA—Dr. A. J. MacLachlan, 203 Medical-Dental Building, Vancouver, B.C.

The Registrar for Newfoundland is Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

COURSES OF INSTRUCTION

ANATOMY

Robert Reford Professor and Chairman of the Department . . . . . C. P. MARTIN
Associate Professor of Histology . . . . . C. P. LEBLOND
Assistant Professors of Anatomy . . . D. S. FORSTER, S. M. FRIEDMAN
Lecturer in Anatomy . . . . . E. WALTER WORKMAN
Sessional Lecturer in Anatomy . . . . . R. M. H. POWER
Teaching Fellows . . . . . S. M. BANFILL, J. GROSS, OCTAVIA HALL
Demonstrator in Histology . . . . . CONSTANCE FRIEDMAN

REQUIRED COURSES

1 GROSS ANATOMY.

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the First Medical Year.

2. APPLIED ANATOMY.

One hour per week lecture and demonstration during the Winter and Spring terms of the Third Medical Year This course is conducted mainly by clinicians from the Royal Victoria and Montreal General Hospitals.

(Suspended for duration of the war.)

Text-books:—Gray's "Anatomy" (English Edition) or Cunningham's "Text-Book of Anatomy."

Practical Manuals:—Cunningham's "Manual of Practical Anatomy;" Johnston's "Synopsis of Regional Anatomy."

Optional Texts:—Quain, Piersal, Spalteholz Atlas, Fraser's "Anatomy of the Human Skeleton," Buchanan, Fraser and Robbins, Larsell, Ramson .

ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

3. ADVANCED NEURO-ANATOMY.

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton, assisted by Dr. Kershman. The class is limited to ten. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

4. PHYSICAL ANTHROPOLOGY.

Lectures and practical courses will be arranged for students when required.

MICROSCOPIC ANATOMY

Required Course

5. Histology.

The study of the histological structure of the body. Two hours lectures and six hours laboratory work per week during the first 28 weeks of the First Medical Year.

Text-book:—Bailey, "Text-Book of Histology."

Optional Texts:—Cowdry, Lewis, and Bremer, Jordan, Maximow and Bloom (Schafer).

Elective Course

6. Experimental Morphology.

Bi-weekly seminar. In this course current problems and discoveries in Experimental Morphology are discussed by members of the staff and graduate students.

EMBRYOLOGY

Required Course

The Study of Human Developmental Anatomy.

One hour per week lecture and three hours per week laboratory work during second half of the First Medical Year.

Text-book:—Arey, "Developmental Anatomy."

Optional Texts:—Jordan, Simkins, Bailey and Millar, Keith, Fraser.

PHYSIOLOGY

Joseph Morley Drake Professor and Chairman of the Department	H. E. Hoff
Research Professor	B. P. Babkin (Post Retirement)
Associate Professor	N. Giblin
Assistant Professors	S. Dworkin
	Ronald Grant
Lecturer	Kathleen Terroux
Demonstrators	Rhoda Grant
	Armine Alley
	Steward R. Cooper
	Hugh Stansfield
	N. B. G. Taylor
	R. F. Taylor
	Peter Kellaway

Required Courses

1. First Year Lectures.

Tuesday, Thursday, Saturday, at 9 a.m. (beginning in October).

1P. First Year Laboratory.

Three hours a week during last 32 weeks.

Text-books:—

Systematic Physiology—Human.

Howell, Textbook of Physiology; Starling (and Evans), Human Physiology; MacLeod (and Bard), Physiology in Modern Medicine.

Clinical Physiology.

Samson Wright, Applied Physiology; Wiggers, Physiology in Health and Disease: Best and Taylor, Physiological Basis of Medical Practice.

OTHER COURSES

(Available only for students who have obtained Honours in the Required Courses, and by application to the Chairman of the Department.)

3. ADVANCED LECTURES.

3P. ADVANCED LABORATORY

BIOCHEMISTRY

Professor and Chairman of the Department	D. L. THOMSON
Associate Professors	R. D. H. HEARD O. F. DENSTEDT
Assistant Professor	K. A. C. ELLIOTT
Sessional Lecturer	
Research Associates	DOROTHY OSBORNE H. E. WOODWARD

COURSES OFFERED IN BIOCHEMISTRY

FIRST YEAR.

Biochemistry 1. Mon., Wed., Fri., at 9 a.m. (beginning in October).

1L. Laboratory: Six hours a week October to February.

Drs. Thomson and Heard.

Text-books:—Bodansky, "Introduction to Physiological Chemistry" (Wiley); Cameron, "Text-book of Biochemistry" (Macmillan); Williams, "Text-book of Biochemistry" (van Nostrand); Schmidt and Allen, "Fundamentals of Biochemistry" (McGraw-Hi l).

Other courses offered by the Department are listed in the Announcements of the Faculties of Arts and Science, and of Graduate Studies and Research.

PATHOLOGY

Strathcona Professor and Chairman of the Department	G. LYMAN DUFF
Associate Professor	THEO. R. WAUGH
Assistant Professors	JOHN D. HAMILTON J. E. PRITCHARD
Lecturers	D. C. WILSON W. H. MATHEWS F. W. WIGLESWORTH
Demonstrators	W. E. TORESON DOUGLAS WAUGH
Sessional Demonstrators	ELEANOR MACKENZIE M. A. SIMON
Fellows	W. E. FINKELSTEIN G. F. KIPKIE R. C. ROSS

REQUIRED COURSES

1. COURSE IN GENERAL PATHOLOGY (Second Year).

   A. Two lectures per week (with epidiascopic and microscopic demonstrations) during the Winter and Spring terms (52 lectures).
   Professor Duff.

   B. Two practical laboratory classes per week during the Spring Term (80 hours practical work).
   Professor Hamilton and Demonstrators.

2. COURSE IN SPECIAL PATHOLOGY (Third Year).

   A. Two lectures per week during the Autumn, Winter and Spring Terms (72 lectures).
   Professor Duff, Professor Waugh, Professor Hamilton and Lecturers.

   B. Two practical laboratory classes per week during the Winter and Spring Terms (96 hours practical work).
   Professor Duff and Staff.

   C. One demonstration of gross pathological material per week to students in small groups of 15 each, during Autumn, Winter and Spring Terms (36 hours).
   Lecturers and Demonstrators.

3. COURSE IN APPLIED PATHOLOGY (Third and Fourth Years.)

   A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter and Spring Terms (54 hours).....Professor Duff.

   B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter and Spring Terms. Time according to material.
   Pathological Institute.....Professor Duff and Dr. Wilson.
   Montreal General Hospital....Dr. Pritchard and Dr. Mathews.
   Children's Memorial Hospital.Dr. Wiglesworth and Dr. Eleanor MacKenzie.

Text-books:—MacCallum, A Text-Book of Pathology (Saunders); Karsner, Human Pathology (Lippincott); Boyd, Text-Book of Pathology (Lea & Febiger); Muir, Text-Book of Pathology (Arnold); Moore, Text-Book of Pathology (Saunders);

REFERENCE BOOKS.

General:—Bell, Text-Book of Pathology (Macmillan); Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Forbus, Reaction to Injury (Williams & Wilkins); Reimann,

Kaufmann's Pathology (Blakiston); Smith & Gault, Essentials of Pathology (Appleton Century); Ewing, Neoplastic Diseases (Saunders); Willis, The Spread of Tumours in the Human Body (Churchill);

Special:—Naegeli, Blutkrankheiten und Blutdiagnostik, (Julius Springer); Whitby & Britton, Disorders of the Blood (Churchill);

Biggart, Pathology of the Nervous System (Livingstone);

Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders);

Novak. Gynæcological & Obstetrical Pathology (Saunders);

Geschikter & Copeland, Tumours of Bone (American Journal of Cancer);

Farber, The Post Mortem Examination (Charles Thomas); Mallory, Pathological Technique (Saunders); Saphir, Autopsy Diagnosis and Technique (Hoeber);

BACTERIOLOGY AND IMMUNOLOGY

Professor and Chairman . . . . . E. G. D. MURRAY
Professor . . . . . FREDERICK SMITH
Assistant Professors . . . . . C. D. KELLY, D. S. FLEMING, G. G. KALZ, J. W. STEVENSON
Lecturers . . . . . J. DE VRIES, G. D. DENTON, D. S. NUNES
Demonstrator (Teaching Fellow) . . . . .
Research Associate . . . . . CATHERINE MACPHERSON

COURSES

All lectures and laboratory courses are given in the Department of Bacteriology (Pathological Institute).

COURSE 1. ELEMENTARY MEDICAL BACTERIOLOGY AND IMMUNOLOGY.

30 Lectures and 63 hours practical work commencing September, 1st Medical Term 2nd Year.

Available to Medical students on the satisfactory completion of their studies in Anatomy, Physiology, Histology and Biochemistry.

COURSE 2. APPLIED MEDICAL BACTERIOLOGY AND IMMUNOLOGY AND THE PROCESSES OF INFECTIOUS DISEASES.

20 Lectures and 40 hours of demonstrations commencing November 15th, 2nd Medical Term 2nd Year.

COURSE 3. BACTERIOLOGY AND IMMUNOLOGY for Honours B.Sc. Degree.

The class is limited in size and priority is given to Honours students in their fourth year. Partial students in the Faculty of Arts and Science and in the Faculty of Graduate Studies are admitted only if they have suitable qualifications and if there are vacancies.

77 Lectures and 308 hours practical work with 50 hours discussion periods throughout the year (3 full courses). Biochemistry 5 (Lectures only) is compulsory. One other course is to be selected by the students.

Students must provide themselves with microscopes; these can be hired from the Purchasing Department.

COURSE 4. ELEMENTARY BACTERIOLOGY. One full course (Old Course 1S).

43 Lectures and 81 hours of practical work.

Available to the students of the Faculty of Arts and Science and to Graduate Students.

Students must provide themselves with microscopes; these can be hired from the Purchasing Department.

COURSE 5. DENTAL BACTERIOLOGY AND IMMUNOLOGY.

30 Lectures and 60 hours practical work. Time to be arranged with the Dental Faculty.

Available to Dental students in their second year.

COURSE 6. BACTERIOLOGY AND IMMUNOLOGY for the M.Sc. Degree.
Not available 1946-47.

COURSE 7. APPLIED PUBLIC HEALTH BACTERIOLOGY AND IMMUNOLOGY.

Available to Medical students in their second and third years in association with the Department of Health and Social Medicine.

COURSE 8. APPLIED BACTERIOLOGY FOR GRADUATE NURSES.
(CERTIFICATE COURSE).

22 Lectures and 19 hours practical work. Available only to students in the School of Graduate Nurses commencing October to December in the First Term.

COURSE 9. PUBLIC HEALTH BACTERIOLOGY AND IMMUNOLOGY.

Available to Post Graduate students for the Diploma or Master's Degree in Public Health. In association with the Department of Health and Social Medicine.

COURSE 10. SEMINARS ON APPLIED BACTERIOLOGY IN RELATION TO PARTICULAR NURSING PROBLEMS (DEGREE COURSE).

14 periods of 2 hours commencing January for 14 weeks in the second Term. Available only to nurses taking the Degree Course and on the successful completion of Course 8. Limited to 20 students.

Text-books:—Hans Zinsser and G. Bayne-Jones, Textbook of Bacteriology (Appleton); R. Muir and J. Ritchie, Manual of Bacteriology (Oxford University Press); R. T. Hewlett and James McIntosh, Manual of Bacteriology (Churchill); T. J. Mackie and J. E. McCartney, Practical Bacteriology (Livingstone); J. W. Bigger, Handbook of Bacteriology (Bailliere Tindall & Cox); Hans Zinsser, Resistance to Infectious Diseases (Macmillan); W. W. C. Topley and G. S. Wilson, The Principles of Bacteriology and Immunity (Edward Arnold & Co.); W. W. C. Topley, An Outline of Immunity (Arnold); M. Langeron, Precis de Microscopie (Masson & Cie); D. H. Bergey, Manual of Determinative Bacteriology (Williams & Wilkins); E. O. Jordan and W. Burrows, Text-Book of Bacteriology (Saunders); Frederick P. Gay, Agents of Disease and Host Resistance (C. C. Thomas); N. P. Sherwood, "Immunology" (Mosby Co.); H. Zinsser, J. F. Enders, L. D. Fothergill, "Immunity Principles and Application in Medicine and Public Health" (Macmillan Co.); R. W. Fairbrother, A Text-book of Medical Bacteriology (W. Heineman, Ltd.); R. J. Dubos, "The Bacterial Cell" (Harvard University Press); K. Landsteiner, "The Specificity of Serological Reactions" (Harvard University Press); F. M. Burnet, "Virus as Organism" (Harvard University Press).

PARASITOLOGY

Professor and Chairman of the Department . . . . . T. W. M. CAMERON
Assistant Professor . . . . . M. J. MILLER
Lecturer . . . . . E. MUNROE.

REQUIRED COURSES

SECOND YEAR.

2A. HUMAN PARASITOLOGY.—This course on the animal parasites of man (protozoa, helminths and arthropods) comprises about 50 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics and pathogenesis as well as to the more important animal vectors of disease. Exotic forms are more briefly discussed. In the practical class, each student examines all the important species as well as the lesions caused by them.

First term— Two lectures and one laboratory period per week.

ELECTIVE COURSES.—The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers didactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research).

Text-book:—Cameron, T. W. M. ,"The Parasites of Man in Temperate Climates" (*3rd edition*).

HEALTH AND SOCIAL MEDICINE†

Strathcona Professor and Chairman of the Department. . . R. P. VIVIAN

Assistant Professor and Senior Health Officer . . . . . C. W. MACMILLAN

**Assistant Professor* . . . . . F. G. PEDLEY

Assistant Professor— Epidemiologist . . . . . D. S. FLEMING

Assistant Professor and Lecturer in Tropical Medicine . . . . . D. C. BEWS

Lecturers . . . . . R. VANCE WARD, BARUCH SILVERMAN

Lecturer, Medical Jurisprudence and Toxicology . . . . . I. M. RABINOWITCH

Lecturer . . . . . W. H. CRUICKSHANK

Lecturer—Bacteriology . . . . . J. H. STEVENSON

Statistical Assistant . . . . . AGNES M. FERENCZ

Assistant in Nutrition . . . . . OLIVE M. LIONEL

The instruction in Health and Social Medicine given to the medical undergraduates is designed to meet the requirements of the practitioner in Medicine. The importance of the subject is kept before the student throughout his course. Particularly stressed are the needs and opportunities in preventive medicine, and its social implications.

It is the aim of the Department to correlate the teaching of preventive medicine with the teaching of other departments in their special fields.

In First Year, Medical Sociology is the main subject. This leads to a presentation of the historical and contemporary background, and of the development of the public health system; the various plans for medical care are discussed.

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*On leave of absence.

The Second Year curriculum comprises didactic lectures and laboratory periods in Sanitation, Water, Milk and Food Control, Nutrition, Statistics, and the Control of Communicable Diseases.

In Third Year, the hygienes are introduced, and students see the practical application of the lectures by means of field trips to tuberculosis and venereal disease clinics, industrial plants, pre-natal, infant and school hygiene services, the care of the aged, and the operation of the Student Health Service. In Third Year also are given lectures in Medical Jurisprudence and Industrial Toxicology.

In Fourth Year, it is hoped to maintain still closer contact with the students through small seminar groups, special studies, etc.

References:—Smillie, Mustard, Rosenau, Bradford-Hill.

PHARMACOLOGY AND THERAPEUTICS

Professor and Chairman of the Department . . . . . R. L. Stehle
Associate Professor of Therapeutics . . . . . D. S. Lewis
Associate Professor of Pharmacology . . . . . K. I. Melville
Assistant Professor of Pharmacology . . . . . A. M. Fraser
Lecturer in Therapeutics . . . . . W. de M. Scriver

PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

Required Courses

1A. Pharmacology. The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Three lectures a week during the Winter Term supplemented by one conference and one demonstration a week. Second Year.

The conference groups are limited to four students each.

Professors Stehle, Melville and Fraser.

1B. Pharmacological Laboratory. The experiments are chosen to illustrate the lecture course.

Two periods (six hours) a week during the Winter Term. Second Year. Professors Stehle, Melville and Fraser.

THERAPEUTICS

The teaching of therapeutics will be closely linked with that of medicine.

Required Courses

2. Pharmacy and Prescription Writing. Five lectures and five laboratory periods. Dr. Scriver.

3A. Therapeutics: Didactic Instruction. A series of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

3B. Therapeutics: Theatre Lectures. Fifteen clinical lectures to be given in the hospitals during the year in conjunction with the teaching of the Department of Medicine. Dr. Lewis and Associates.

Text-books in Pharmacology. Cushny, Sollmann, Clark, Thienes. *Text books in Therapeutics*, Beckman, Lyon, Reiman, Goodman and Gilman.

Options

Suitably prepared students may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

MEDICINE

Professor and Chairman of the Department	Jonathan C. Meakins
Professor	L. C. Montgomery
Associate Professors	G. R. Brow, J. S. L. Browne, E. H. Mason, E. S. Mills, I. M. Rabinowitch
Assistant Professors	C. C. Birchard, K. A. Evelyn, Neil Feeney, C. W. Fullerton, J. Keith Gordon, A. T. Henderson, J. Kaufmann, D. S. Lewis, H. S. Mitchell, J. H. Palmer, W. de M. Scriver, C. G. Sutherland, C. T. Tidmarsh
Lecturers	L. T. Adams, Michael Aronovitch, C. S. Barker, R. C. Bennetts, C. H. Bensley, J. O. W. Brabander, H. E. Burke, D. T. Chamberlin, G. A. Copping, A. F. Fowler, G. W. Halpenny, W. H. D. Hill,

Lecturers (Contd.): J. G. Howlett, W. R. Kennedy, Louis Lowenstein, J. F. Meakins, D. L. Mendel, J. F. McIntosh, Bran Rose, H. N. Segall, A. T. Thom, S. R. Townsend, R. Vance Ward, H. P. Wright.

Demonstrators: D. Barza, F. M. Bourne, Wm. Cohen, (Sess.) Laura Coleman, H. I. Cramer, B. R. Cuddihy, W. W. Eakin, (Sess.) Valerie Friedman, Alex. Gordon, Guy Hamel, R. G. M. Harbert, A. W. Lapin, H. E. MacDermot, R. D. McKenna, W. G. McLellan, (Sess.) R. E. Mitchell, S. Ortenberg, (Sess.) J. G. Patterson, Basil Robertson, Frances Selye, C. B. Smith, G. E. Wight.

DERMATOLOGY

Clinical Professors: J. F. Burgess, L. P. Ereaux

Lecturers: F. Kaltz, D. S. Mitchell, B. Usher

CLINICAL THERAPEUTICS

Associate Professor: D. S. Lewis

Lecturers: C. W. Fullerton, W. de M. Scriver, Guy Fisk (*Physiotherapy*), Norman Brown (*Physiotherapy*)

TOXICOLOGY AND MEDICAL JURISPRUDENCE

A series of twenty-four lectures and demonstrations.

Professor Rabinowitch.

Toxicology: 1. Definitions; 2. Occurrence of Poisoning—Accidental. (Food. Industrial. Clothes and Cosmetics. Patent Medicines. Therapeutic. Other). Suicidal. Homicidal. 3. Mode of Action of Poisons: Modifying Causes—Form. Amount. Mode of Entry into

Body. Age. Habit. Sleep. Physical Condition of Subject. Idiosyncracy. Other. 4. Classification of Poisons. 5. Acute Poisoning: Diagnosis—Similarity Between Poisoning and Disease. General Evidence of Poisoning. Rules for Diagnosis. Treatment: Principles. General Treatment. Antidotes—Limitations. 6. Legal: Control of Poisons—Dangerous Drugs Acts and Regulations. Relation of Doctor to Pharmacist. Administration of Noxious Drugs. Narcotics. 7. Medico-Legal Considerations in Cases of Poisoning: Accident. Suicide. Murder. Duty of Doctor—In Suspected Cases. In Known Cases. Post-mortem examinations in Cases of Poisoning.

Medical Jurisprudence: A. 1. Introduction: Definitions—Law. Medicine. Forensic Medicine. 2. Legal Position of Doctors. 3. Obligation of Doctor to the State: Medical Notifications and Certifications—Births. Stillbirths. Infectious Diseases. Deaths. Other. 4. Responsibilities to Patient: Implied and Expressed Contracts. Professional Secrecy. Privileged Communications. Medico-legal Aspects of Physical Examinations—Consent. 5. Malpractice: Civil. Criminal. Negligence. Contributory Negligence. Errors of Commission. Consultations. Responsibility for Assistants. "Reasonable Care and Judgment". B. Legal Criminal Procedure: 1. Investigation of Sudden Deaths and Deaths from Unnatural Causes—Coroner's Court. 2. Medical Evidence in Courts of Law: *a*. Documentary. *b*. Oral. *c*. Experimental. 3. General Rules of Conduct for Medical Witnesses: Professional Secrecy. Privileged Communications. Precognitions. Fees. C. Medico-Legal Aspects of Death: 1. Signs of Death. 2. Apparent Death. 3. Proximate Causes of Death. 4. Sudden Death. 5. Presumption of Death—Presumption of Survivorship. 6. Medico-Legal Forms of Death. 7. Post-Mortem Examinations for Medico-Legal Purposes. 8. Identification of the Dead. D. Personal Identity in its Medico-Legal Bearings: For Civil Purposes. For Criminal Purposes. Mistaken Identity. E. Blood Stains: Medico-legal information from Blood Stains. Blood Grouping. F. Wounds: 1. Legal Definition. 2. Types. 3. Medico-legal Examination of a Wounded Person. 4. Causes of Death from Wounds. 5. Wounds after Death. G. Medico-Legal Aspects of Pregnancy: H. Abortion: Duty of Doctor in Cases of Suspected Criminal Abortion and in Cases of Known Criminal Abortion. I. Impotence and Sterility. J. Rape. K. Infanticide. L. Mental Unsoundness: Medical Certification of the Insane. Protection of Certifying Physicians. Admission of Voluntary Patients to Institutions for the Insane. M. Drunkenness: 1. Dianosis: Clinical. Chemical. 2. Medico-legal Aspects—Civil. Criminal.

Text and Reference Books:—Buchanan's Text Book of Forensic Medicine and Toxicology. Medical Jurisprudence and Toxicology—Glaister. Forensic Medicine—Kerr. Forensic Medicine—Littlejohn. Legal Medicine and Toxicology—Gonzales, Vance and Helpern. Toxicology—

McNally. Forensic Medicine—Sydney Smith. Recent Advances in Forensic Medicine—Sydney Smith and Glaister. Taylor's Principles and Practice of Medical Jurisprudence.

THE CURRICULUM

FOREWORD:

The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students, teachers and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and clinical lectures are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

REQUIRED COURSES.

SECOND YEAR

Course II 1—*Integration of Physiology, Biochemistry and Anatomy with Medicine.*

Time—Last term of Second Year—Two lectures a week and one amphitheatre clinic.

Place—Medical Building. Montreal Neurological Institute Theatre.

Subject Material—This course covers in a systematic manner the deviations from the normal of the physiological and biochemical functions. These are correlated so as to explain symptoms and signs which may be found on physical examination as detected by clinical methods dealt with in Course II 2. This course follows a chronological order from birth to old age and is so interpreted as to give the student a panoramic view of these disturbances with a proper perspective. Professors Meakins and Browne.

Course II 2—*A Practical Course in Clinical Methods.*

Time—Last term of Second Year.

Place—Outpatient Dept. of the Royal Victoria and the Montreal General Hospitals.

Subject—Practical instruction 4 hours a week on Normal and Abnormal Physical Signs and one amphitheatre clinic.

Course II 3—*Laboratory Diagnosis.*

Time—Last term of Second Year.

Place—Medical Building.

Subject—Instruction and practice 2 periods a week in microscopy as applied to clinical medicine.

Dr. McIntosh and Assistants.

Third Year

Course III 4—*Amphitheatre Clinics in General Medicine.*

Time—Twice weekly throughout year.

Place—Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

Course III 5—*Bedside Clinics and Practical Demonstrations.*

Time—Twice weekly during the medical trimester.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.

Course III 6—*Clinico-Pathological Conference*

Time—Weekly during the medical trimester.

Place—The Royal Victoria and the Montreal General Hospitals.

Course III 7—*Case Reporting.*

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope and have access to all other Laboratory and X-Ray findings.

Course III 8—*A Practical Course in Diseases of Metabolism.*

Time—Weekly during the medical Trimester.

Place—Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting Medicine.

Fourth Year

Course IV 9—*Amphitheatre Clinics in General Medicine.*
Time—Once a week throughout year.
Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating more complicated cases as compared to the third year.

Course IV 10—*Bedside Clinics and Practical Demonstration.*
Time—Twice weekly during medical quarter.
Place—Wards of the Royal Victoria and the Montreal General Hospitals.

Course IV 11—*Clinico-Pathological Conference.*
Time—Once a week during medical quarter.
Place—Royal Victoria and the Montreal General Hospitals.

Course IV 12—*A systematic course of lectures designed to give a general survey of laboratory procedures and their interpretation.*

Course IV 13—*Clinical Therapeutics—practical bedside instruction.*
Time—Once a week during the medical quarter.
Place—Royal Victoria and the Montreal General Hospitals

Course IV 14—*A Course of Lectures in Medicine.*
Time—One period a week throughout year.
Place—Medical Building.

Subject—Lectures in General Medicine to give a panorama of the subject. Professor Meakins and assistants.

Course IV 15—*A course of lectures in Dermatology.*
Time—One period a week throughout the year.
Place—Medical Building.

Subject—Lectures in Dermatology and Syphilology.

Course IV 16—*Dermatology and Syphilology—practical instruction.*
Time—Twice a week during one quarter.
Place—Montreal General and Royal Victoria Hospitals.

Text and Reference Books

Clinical Methods and Physical Diagnosis:—Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Major, "Physical Diagnosis"; Murray, "Examination of the Patient"; Gradwohl, "Clinical Laboratory Methods and Diagnosis"; Hutchison and Hunter, "Clinical Methods"; Cabot & Adams, "Physical Diagnosis"; Department of Medicine, McGill University, "Guide to Medical Case Reporting".

General Medicine:—McLeod, "Physiology in Modern Medicine"; Best and Taylor, "Physiological Basis in Medical Practice"; Meakins, "Practice of Medicine"; Cecil, "Text Book of Medicine"; Davis, "Cyclopedia of Medicine"; White, "Heart Disease"; Norris and Landis, "Diseases of the Chest"; Eusterman and Balfour, "Stomach and Duodenum"; Hurst and Stuart, "Gastric and Duodenal Ulcer"; Joslin, "Diabetic Manual"; "Treatment of Diabetes Mellitus"; McLester, "Nutrition and Diet in Health and Disease"; Peters and Van Slyke, "Quantitative Clinical Chemistry"; Vol. 1, Interpretations; Kurzrok, "The Endocrines in Obstetrics and Gynæcology"; "Pharmacopœa of the Teaching Hospitals".

Dermatology:—Walker, "Introduction to Dermatology"; MacLeod, "Diseases of the Skin"; Sutton and Sutton, "Diseases of the Skin"; Ormsby, "Diseases of the Skin".

PSYCHIATRY

Professor and Chairman of the Department . . . . . D. Ewen Cameron
Clinical Professor . . . . . C. A. Porteous

Assistant Professors . . . . . R. B. Malmo, M. Prados, G. E. Reed, Baruch Silverman

Lecturers . . . . . Milton Gray, A. A. MacKay, Karl Stern

Demonstrators . . . . . T. E. Dancey, E. G. Hinds, Lloyd Hisey, H. Lehman, C. Skitch

Research Fellow . . . . . Edrita Fried

FOREWORD

Instruction in human behaviour is given in all four years. Emphasis is placed upon the personality factor in all forms of illness. Consequently, teaching is carried on in close relation with other aspects of medicine. It is planned to take full advantage of the teaching facilities not only of the Institute but of the wards and out-patient departments of the Royal Victoria Hospital and of the Montreal General Hospital.

Special prominence is given to those psychological and personality situations which the student will meet after graduation in his day to day teaching. Instruction in military psychiatry and in child psychiatry is given in the final years.

Required Courses

1. Psychobiology—A course of twelve lectures will be given in the first year. In this course, the various aspects of human behaviour will be stressed, with special reference to their relationship to medicine. Dr. Cameron.
2. Psychiatry—Eighteen lectures on the basis behavioral disorders will be given. During the second year both those disorders which require hospitalization and those which can be dealt with on an ambulant basis will be considered. Dr. Reed and Assistants.
3. A course of eight lectures will be given on child psychiatry during the fourth year. Dr. Silverman.
4. Clinical demonstrations, out-patient instruction and ward rounds will be held during the fourth year. Certain of these will be devoted to early behavioral disturbances, psychosomatic and toxic states, and drug addictions. Drs. Cameron, Stern and MacKay.
5. Instruction will be given in adult out-patient psychiatry in the Psychiatric Outdoor Department in the Royal Victoria Hospital, and in child out-patient psychiatry at the Mental Hygiene Institute. Drs. Prados and Silverman.
6. Instruction in the care of long term cases, and institutional psychiatry, will be given at the Allan Memorial Institute and Verdun Protestant Hospital. Drs. Reed, Skitch and Lehman.

PAEDIATRICS

Professor	R. R. Struthers**
Associate Professors	A. Goldbloom, *Chairman* S. Graham Ross
Assistant Professor	L. Lindsay
Lecturers	H. L. Bacal A. K. Geddes P. N. MacDermot Alan Ross Jessie Boyd Scriver
Demonstrators	B. Benjamin R. L. Denton S. I. Doubilet J. H. O'Neill F. Shippam C. Stewart S. J. Usher E. M. Worden

**On Leave of Absence.

Required Courses

1. Lecture Course: A series of lectures on pædiatrics, intended as an introduction to various aspects of Diseases of Children—Hygiene—Nutrition — Infections — Family Relationships — Infectious Diseases and Preventive Medicine.

   Once a week during the Autumn, Winter, and Spring terms (as announced) at the Medical Building or at the Children's Memoria Hospital. Professor Goldbloom and Assistants.

2. Diseases of the Newborn: Royal Victoria Maternity Pavilion.
   A weekly clinic-demonstration to groups of students of the Third Year during their Obstetrics Trimester.
   Professors Goldbloom and Ross, Drs. Scriver and Worden.

3. Clinical Paediatrics: During the final year the class is divided into groups, each group devoting five weeks to the study of the diseases of childhood, including: (a) General Pædiatrics—Children's Memorial Hospital. Daily bedside clinics by members of the department during the five week period spent by each student in attendance at the Children's Memorial Hospital—presentation of cases—discussion of case reports—ward rounds, staff rounds and out patients department.
   Staff Members.

   (b) Normal Infant Feeding, Care and Development and Preventive Pædiatrics. Immunization Procedures. Drs. Scriver, Usher, Benjamin. Child Welfare Association Clinics.

   (c) *Infectious Diseases:* A series of demonstrations to groups of students on the common infectious diseases, is given at the Alexandra Hospital. Drs. Worden, C. Stewart.

Text-books: Holt and McIntosh, "Diseases of Infancy and Childhood"; Mitchell and Nelson "Diseases of Infants and Children"; Porter and Carter, "Management of the Sick Infant and Child"; Brown and Tisdall, "Common Procedures in Pædiatrics"; Smith, "Physiology of the New Born Infant"; Goldbloom, "Care of the Child".

Reference Books: Brenneman, "Practice of Pædiatrics" (4 volumes); Parsons and Barling, "Diseases of Infancy and Childhood" (2 volumes); Langdon, "Home Guidance for Young Children"; Abt's "Pædiatrics" (8 volumes); Still, "Common Disorders and Diseases of Childhood"; John Thomson, "Clinical Study and Treatment of Sick Children"; Von Reuss, "Diseases of the New Born."

DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

Professor of Neurology and Neurosurgery, Chairman of Department . . . . . WILDER PENFIELD

Associate Professor of Neurosurgery . . . WILLIAM CONE

Clinical Professor of Neurology . . . . . F. H. MACKAY

Assistant Professors of Neurology . . .
- K. A. C. ELLIOTT
- DONALD MCEACHERN
- FRANCIS MCNAUGHTON
- ARTHUR W. YOUNG

Assistant Professor of Neurosurgery . . . ARTHUR ELVIDGE

Assistant Professor of Neurological Radiology . . . . . D. L. MCRAE

Assistant Professor of Neurophysiology . . . . . HERBERT JASPER

Lecturer in Neurology . . . . . JOHN KERSHMAN

Lecturer in Neurosurgery . . . . . T. B. RASMUSSEN

Demonstrators in Neurology . . . . . .
- A. A. BAILEY
- C. MILLER FISHER
- J. PRESTON ROBB

Demonstrator in Neurosurgery . . . . . O. W. STEWART*

Assistant Demonstrator in Neuropathology . . . . . W. K. WELCH

Assistant Demonstrator in Neurosurgery . . . . . H. STEELMAN

Research Fellows of the Montreal Neurological Institute . . . . . .
- CHAO-JEN CHEN
- C. W. CURE
- JAN FORTUYN**
- JOHN HUNTER
- IRA JACKSON
- JEAN LECUIRE***
- ALFRED POPE****
- R. RABINOVITCH
- I. SCHIFFER

*On Military Service.
**Rockefeller Fellow.
***Travelling Fellow, French Government.
****U.S. National Research Council Fellow.

Outline of Courses, 1946-47

Second Year.

2A. *Clinical Neuroanatomy and Neurophysiology.* 4 lectures. Department of Medicine. Assistant Professor McNaughton.

2B. *Physical Examination of the Nervous System.* 2 theatre clinics. Department of Medicine. (1 at M.G.H., 1 at R.V.H.). Clinical Professor F. H. Mackay.

Third Year.

3A. *Survey of Neurology and Neurosurgery.* 16 lectures. M.N.I. Amphitheatre. Professor Penfield and Assistant Professor McNaughton.

Fourth Year.

4A. *Neurological and Neurosurgical Clinics.* 20 theatre clinics. M.N.I. Amphitheatre. Professor Penfield and Assistant Professor McEachern.

4B-1. *Neurological O.P.D.* R.V.H. Outpatient Department. Monday and Thursday afternoons. Assistant Professor McEachern and assistants.

4C-1. *Neurology Ward Classes.* Dept. of Medicine. Wednesdays. M.N.I. (R.V.H. group). Assistant Professor McEachern.

4B-2 & 4C-2. *Combined Neurological O.P.D. and Ward Classes.* M.G.H. Monday and Friday afternoons. (M.G.H. group). Clinical Professor F. H. MacKay and assistants.

4D-1. *Neurosurgery Ward Classes.* Dept. of Surgery. M.N.I. (R.V.H. group). Associate Professor Cone.

4D-2. *Neurosurgery Ward Classes.* Dept. of Surgery. M.N.I. (M.G.H. group). Assistant Professor Elvidge.

4E-1. *Neurology Seminar.* R.V.H. Outpatient Department. Tuesday afternoons. Assistant Professor McNaughton.

4E-2. *Neurology Seminar.* M.G.H. Outpatient Department. Friday afternoons. Assistant Professor McNaughton.

Elective Courses.

I. *Clinics on Diseases of the Nervous System.* R.V.H. Outpatient amphitheatre. (If requested.) Tuesdays, 3-4 o'clock. Professor Penfield.

II. *Contribution of the Basic Sciences to Neurology.* M.N.I. Tuesdays, 5:30 p.m. Various members of the Department of Neurology and Neurosurgery, organized by Assistant Professor Jasper.

III. *Seminar in Neuroanatomy.* An advanced course of lecture-demonstrations on the structure of the central nervous system. Neuroanatomy laboratory, 6th floor, M.N.I. Mondays, 8:15 p.m., November-January.

Construction of a model of the brain to scale will be undertaken with a smaller group (registration limited to 12). Time to be arranged. November-January. Assistant Professor McNaughton.

IV. *Seminar in Neurophysiology.* A basic study of brain, cord, and muscle function as applied to clinical problems. Monday and Tuesday, 8:15 p.m., February-May, M.N.I. Assistant Professor Jasper.

SURGERY

Professor . . . . . Fraser B. Gurd

Professor and Chairman of the Department . . . . . G. Gavin Miller

Associate Professors . . . . .
J. C. Armour
R. R. Fitzgerald
J. G. W. Johnson, D. E. Ross
A. L. Wilkie

Assistant Professors . . . . .
D. W. MacKenzie, Jr.
C. A. McIntosh
L. H. McKim
A. Ross, A. J. Stewart
H. L. Dawson, H. M. Elder
Mercier Fauteux

Lecturers . . . . .
J. C. Luke, S. J. Martin
H. A. Baxter, P. G. Rowe
E. A. McNaughton
H. F. Moseley,
C. N. Gardner
H. S. Morton, S. G. Baxter
H. G. Pretty, John Gerrie
D. R. Webster

Demonstrators . . . . .
F. D. Ackman, A. R. Bazin
E. H. Cayford
E. M. Cooper, W. M. Couper
H. S. Dolan, M. Kaufmann
G. A. Holland, G. D. Little
C. K. McLeod
W. W. Ruddick, J. C. Sutton
A. N. Vineberg

ORTHOPAEDIC SURGERY

Assistant Professor ..... N. T. Williamson

Lecturers ..... J. G. Petrie, J. G. Shannon

Demonstrator ..... S. E. Goldman

UROLOGY

Clinical Professors ..... R. E. Powell, E. S. Smith

Lecturers ..... A. B. Hawthorne, R. G. Reid, M. I. Seng

Demonstrators ..... S. A. MacDonald, J. T. MacLean, Max Ratner, Alex. Strasberg, A. M. J. Tanney

Required Courses

Second Year.

Surgical teaching begins in the spring term (16 weeks) of the Second Year. In this year special attention is directed to the instruction and training of the student, in proper methods of physical examination, from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

Courses.

2A. *A course of lectures* (16) covering the history of Surgery and an introduction to the study of surgical diseases. This course includes five lectures on "First Aid."

2B. *Group classes* in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

Third Year.

The student comes into a more intimate contact with the patients, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, and assists at operations.

*3A. *Amphitheatre Clinics and Demonstrations* in the Montreal General and Royal Victoria Hospitals, two days a week throughout the year.

3B. *Group Ward classes* in the Montreal General and the Royal Victoria Hospitals, three times a week during the term.

3C. *Case Reporting.* Patients are allotted to students who act as reporters, dressers, and assistants at operations.

FOURTH YEAR.

Courses.

*4A. *Amphitheatre Clinics and Demonstrations* in the Montreal General and Royal Victoria Hospitals alternately, once a week throughout term.

4B. *Group Ward Classes and Ward rounds* in the Montreal General and Royal Victoria Hospitals, four times a week during the surgical quarter.

4C. *Case Reporting*

4D. *Clinico-Pathological conferences* once a week during the term, jointly with the Department of Pathology, at the Montreal General and Royal Victoria Hospitals.

SURGICAL DISEASES OF CHILDREN.—Instruction in the surgical diseases of children is given during the trimester in which the students are assigned to pædiatrics at the Children's Memorial Hospital, as follows:—

4A. *Amphitheatre Clinics* once a week throughout trimester.

4B. *Group Ward Classes* three times a week throughout trimester.

ORTHOPAEDIC SURGERY

FOURTH YEAR COURSES.

4A. *Clinical Lectures.* A course of 8 lectures given at the hospitals.

4B. *Ward Classes* at the Montreal General and Royal Victoria Hospitals, once a week during the surgical trimester.

4C. *Group Classes in the Out-door Department* of the Montreal General and Royal Victoria Hospitals, twice a week during the surgical trimester.

ANAESTHESIA.—Instruction in anæsthesia is given by the Department of Pharmacology and Clinical Therapeutics. Students are given practical instruction in the administration of anæsthetics, during their surgical trimesters in the Third and Fourth Years at the Montreal General and Royal Victoria Hospitals.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology and Bacteriology.

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*Amphitheatre Clinics 3A and 4A are so arranged that all surgical subjects are presented during the two year course.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

Urology

Second Year.

2A. *Clinical Urology*

Group classes, 4 demonstrations, in which instruction in methods of Urological examination is given in the Montreal General and Royal Victoria Hospitals.

(See Surgery—2B).

Fourth Year.

4A. *Clinical Lectures*—a course of theatre clinics in each of the hospitals.

4B. *Urological Clinics*—Ward Classes

The Montreal General Hospital—3 classes a week.
Royal Victoria Hospital—3 classes a week

4C. *Case Reporting in Urological Wards.*

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics and demonstrations and group teaching in the wards and out-patient departments of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

Text-books:—

1. *General Surgery:* John Homans, "A Text-book of Surgery"; Choyce, C. C., "A System of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery"; Christopher; Cole and Elman; Romanis and Mitchener; Handfield, Jones and Porrett, "The Essentials of Modern Surgery"; Rose and Carless, "Manual of Surgery"; Berman's Synopsis of Principles of Surgery; Pack and Livingston's "Treatment of Carcinoma"; Christopher's "Minor Surgery".

2. *Emergency Surgery:* Sluss, John W., "Manual of Emergency Surgery"; Cole & Puestow, "Advanced First Aid".

3. *Surgical Anatomy:* McGregor, "Synopsis of Surgical Anatomy"; Treves, "Surgical Applied Anatomy".

4. *Fractures and Dislocations:* Scudder, Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations"; Magnuson's "Fractures"; Stimson's "Manual of Fractures and Dislocations"; Wilson's "Management of Fractures"; Key and Conwell's "Fractures and Dislocations"; Watson Jones "Fractures and other Bone and Joint Injuries"; Key and Conwell, "Fractures, Dislocations and Sprains".

5. *Case Reporting:* White, J. Renfrew, "The Clinical Examination of Surgical Cases"; Geckeler's "Fractures and Dislocations."

6. *Urology:* Eisendrath and Rolnick's "Urology"; Herman's "Practice of Urology"; Hinman's "Principles and Practice of Urology"; Keyes and Ferguson's "Urology"; Young's "Practice of Urology"; Le Comte's Manual of Urology.

7. *Orthopædic Surgery:* Whitman's "Orthopædic Surgery"; Jones, "Orthopædic Surgery of Injuries"; Jones and Lovett, "Orthopædic Surgery"; Mercer's "Orthopædic Surgery"; Willis Campbell's "Orthopædic Operations"; Sever's "Handbook of Operative Surgery"; Steindler's "Orthopædic Operations".

DEPARTMENT OF ANAESTHESIA

Assistant Professor and Chairman . . . . WESLEY BOURNE

Assistant Professors . . . . . M. D. LEIGH, C. C. STEWART, F. A. H. WILKINSON

Lecturers . . . . . C. C. CARROLL, R. S. FERGUSON, H. R. GRIFFITH, W. C. STOCKWELL

Demonstrators . . . . . J. J. KELLY, P. E. O'SHAUGHNESSY, F. M. RICHARDSON, A. M. TORRIE

UNDERGRADUATES.

Students in Medicine, before their third year will have been introduced to the subject of Anæsthesia by the teachers in Anatomy, Biochemistry, Pharmacology and Physiology.

During the Third Year, ten lectures are given. All of these lead on from the academic to the clinical aspect. In these lectures sound motion pictures are shown. As time goes on, reading matter is prescribed.

At the end of the third year students are required to be certified as having fulfilled the requirements of the department.

In the final year each undergraduate student spends at least six days with an anaesthetist and acts as his assistant.

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

Associate Professor and Acting Chairman	N. W. Philpott
Associate Professor	A. D. Campbell
Assistant Professors	W. A. G. Bauld J. S. Henry G. C. Melhado
Lecturers	W. R. Foote P. J. Kearns K. T. MacFarlane G. B. Maughan I. Y. Patrick Eleanor Percival D. W. Sparling Clifford Ward (Sessional) George Strean
Demonstrators	J. E. Ayre J. L. Macarthur
Teaching Fellows	Simon Gold Grace Donnelly

The entire course is arranged on the basis of imparting a practical knowledge of Obstetrics, Gynæcology and the Care of the New-born. The value of intimate contact with the patient in the normal and the pathological state is stressed.

The privilege of serving as an interne in the hospital for two weeks treating the patients from the time of admission till discharge from hospital is an ideal arrangement. Rooms are provided in the Women's Pavilion where the students may reside, in groups of six, during this period.

OBSTETRICS

Required Courses

Second Year.

Sixteen lectures are given as an introduction to the subject. These lectures are relative to the anatomy and physiology of the genital tract. The physiology of pregnancy is also described. Professor Philpott.

Third Year.

1. Thirty-five Clinical Conferences for all Third Year students. Wednesday 12:45 to 1:45 p.m., illustrating the more important Obstetrical conditions. Professor Philpott.

2. Nineteen lectures describe the physiology of labor and the puerperium. The major pathological lesions relative to parturition are described.
Senior Members of the Staff.

3. Thirty demonstrations are given in Obstetrical palpation and on the manikin, with the aid of models, diagrams, lantern slides and moving pictures.
Given by Members of the Staff.

4. Clinical instruction for twelve periods in case-rooms and wards.
Given by Members of the Staff.

5. Six lectures concerning early development of the embryo and the placenta.
Given by Members of the Staff.

6. Ten lectures or demonstration periods relative to the care of the Newborn.
Professor Goldbloom and Professor Ross.

FOURTH YEAR.

1. Thirty-five Clinical Conferences for all Fourth Year students, Wednesday, 12:45 to 1:45 p.m., illustrating the more important Obstetrical conditions.
Professor Philpott.

2. General Ward Rounds held once a week are arranged to give a complete account of the work of the hospital. This is attended by those students in the current Obstetrical Course.
Professor Philpott.

3. Thirty lecture demonstrations are held in the Lecture Theatre or Case Room on the following subjects:

Normal Labour . . . . . Professor Philpott.
Dystocia . . . . . Professor Melhado.
Hæmorrhage . . . . . Professor Henry.
Puerperal Infection . . . . . Professor Campbell.
Toxæmia of Pregnancy . . . . . Dr. Patrick.

4. Fourteen instruction periods including conduct of pregnancy, labour and puerperium in Out-patient Department, Case-rooms and Wards.
Given by Senior Members of the Staff.

GYNAECOLOGY

1. Theatre clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals. Professors Philpott, Campbell and Staff.

2. A special course on Gynæcological Pathology.
Drs. P. J. Kearns and Gold.

3. Methods of Gynæcological examination, diagnosis and treatment in the outdoor departments.

4. A special course of instruction, once a week, through the year in the cancer clinic on methods of diagnosis and treatment of cancer, dealing especially with Radium and X-Ray.

Professor Bauld and Staff.

Text and Reference Books

Obstetrics.

(1) De Lee-Greenhill	Principles and Practice of Obstetrics.
(2) Stander	Text book on Obstetrics.
(3) Bland	Practice of Obstetrics.
(4) Miller, J.	Manual of Obstetrics.
(5) Appleton	Obstetrical and Gynaecological Monographs.
(6) Irving	Text book on Obstetrics.
(7) Beck	Obstetrical practice.
(8) Adair	Obstetrics.

Gynaecology.

(1) Curtis	Text book of Gynæcology and System of Gynæcology and Obstetrics.
(2) Ten Teachers	Diseases of Women.
(3) Monroe Kerr	Gynæcology.
(4) Goodall	Puerperal Infection.
(5) Crossen	Gynæcology.
(6) Kennedy, Campbell	Vaginal Hysterectomy.
(7) Novak	Text book of Gynæcology.

OPHTHALMOLOGY

Professor and Chairman of the Department . . . . . J. A. MacMillan

Assistant Professor . . . . . Stuart Ramsey

Lecturers . . . . . K. B. Johnston; J. V. V. Nicholls; J. Rosenbaum (leave of absence); B. Alexander; R. J. Viger

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses in the Third and Fourth Year of the Medical Course:—

THIRD YEAR

1. ROUTINE EXAMINATION OF THE EYE.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.....Professor MacMillan and members of the Staff.

THIRD YEAR.

2. LECTURE DEMONSTRATIONS TO ENTIRE CLASS.

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the Final Year.

Ten hours.....Professor MacMillan.

FOURTH YEAR.

CLINICAL OPHTHALMOLOGY.

This teaching is conducted in the Ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals. The class is divided into groups of ten, each group receiving twenty-five hours instruction. Ocular problems that are of greatest moment in general practice are discussed. This includes the external diseases of the eye, the main ophthalmological findings in systemic disorders, affections of the nervous system, and as far as possible a co-relation of the clinical and histological ocular changes.

Professor MacMillan and members of the Staff.

Text-books:—May, Gifford, Parsons, Berens.
Reference books:—Duke-Elder.

OTO-LARYNGOLOGY

Assistant Professor and Chairman of the Department.....D. H. BALLON
Assistant Professor.....G. E. HODGE
Lecturers.....W. J. McNALLY, R. P. WRIGHT, K. O. HUTCHISON, G. E. TREMBLE, A. O. FREEDMAN, E. E. SCHARFE, E. A. STUART
Demonstrators.....G. E. M. HILTON, F. W. SHAVER

Instruction in Oto-Laryngology is given to students of the third and fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

THIRD YEAR:

A course of 10 demonstrations is given to students of the Third Year. These demonstrations deal with the normal anatomy of the ear, nose and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose and throat. Ward rounds are made to illustrate the pre- and post-operative methods of treatment.

LECTURE COURSE:

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the œsophagus.

FOURTH YEAR:

Ten clinical demonstrations are given in the out-patient departments and wards of the hospitals. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

Text and Reference Books:—Sir St. Clair Thomson: Diseases of the Nose and Throat; A. Logan Turner: Diseases of the Nose, Throat and Ear; Chevalier Jackson and G. M. Coates: The Nose, Throat and Ear and Their Diseases; Philip O. Kerrison: Diseases of the Ear; Chevalier Jackson: Bronchoscopy, Oesophagoscopy and Gastroscopy; D. H. Ballon: Chapters on Bronchoscopy and Oesophagoscopy in Surgical Diseases of the Chest by Evarts A. Graham, J. J. Singer, Harry C. Ballon.

RADIOLOGY

Associate Professor . . . . . CARLETON B. PEIRCE
Associate Professor and Chairman of the Department . . . . . W. L. RITCHIE
Assistant Professors . . . . . J. J. L. BOUCHARD, D. L. McRAE, J. W. McKAY
Demonstrator . . . . . W. H. THORLEIFSON
Fellow . . . . . LI-LANG DSO

FIRST YEAR.

In co-operation with the Department of Anatomy, demonstrations are given of the Roentgenologic anatomy of the skeletal, respiratory, gastrointestinal and urogenital systems, including fluoroscopic demonstrations of functional anatomy of joints, the thoracic viscera and the alimentary tract.

Associate Professor Peirce and Staff.

SECOND YEAR.

Introduction to Radiology:

In co-operation with the Department of Medicine (Course II 2) as an introduction to special methods in Physical Diagnosis, the various means of Radiologic examination are demonstrated to small groups of students in the Montreal General Hospital and the Royal Victoria Hospital. The fluoroscopic and roentgenographic methods of study of the cardio-respiratory and gastro-intestinal systems especially are compared with the clinical means in physical examination

Associate Professor Peirce and Staff.
Associate Professor Ritchie and Staff.

THIRD YEAR

III ROENTGEN PATHOLOGY AND RADIATION THERAPY:

A course of 20 lectures presenting the general features of rœntgen interpretation, systemic rœntgen pathology and the principles of rœntgen and radium therapy.

Associate Professors Peirce and Ritchie.
Assistant Professors Bouchard, McRae and McKay.

FOURTH YEAR.

IV-A CLINICAL RADIOLOGY:

(1) A course of six lectures on special clinical applications of rœntgen rays and radium radiation.

Associate Professors Peirce and Ritchie
and Members of the Staff.

IV-A (2) Conference periods, two hours weekly each quarter during which the students in the several hospitals discuss clinical case material with the Members of the Department.

Children's Memorial Hospital—Asst. Professor McRae.

Montreal General Hospital—Assoc. Prof. Ritchie.
Assist. Prof. McKay and Staff.

Royal Victoria Hospital—Assoc. Prof. Peirce,
Assist. Prof. Bouchard and Staff.

IV-A (3) Tumour Conference: .The final year students attend Tumour or Neoplasm Conferences in the several teaching hospitals, wherein all means of diagnosis and treatment of malignant neoplasms, especially, are considered by representatives of all departments of the teaching staffs, and their experience reviewed.

POST-GRADUATE INSTRUCTION.

Post-graduate training prerequisite to certification in the specialty by the Royal College of Physicians and Surgeons (Canada) or the American Board of Radiology is available in the teaching hospitals to selected graduates of approved Faculties or Schools of Medicine.

Text and Reference Books:—Rœntgen Interpretation, Holmes and Ruggles; Text Book of Radiology, Shanks, Kerly and Twining; Diagnostic Radiology, Golden (et al); Head and Neck in Rœntgen Diagnosis, Pancoast, Pendergrass and Schaeffer; Rœntgenology, Kohler; Urological Rœntgenology, Wesson and Ruggles; Clinical Rœntgenology of the Cardiovascular system, Roessler; The Digestive Tract, Barclay; Theoretical Principles of Rœntgen Therapy, Pohle; Clinical Rœntgen Therapy, Pohle; Physical Foundations of Radiology, Glasser, Quimby, Taylor and Weatherwax.

RESEARCH INSTITUTE OF ENDOCRINOLOGY

Director.....J. B. COLLIP
Associate Professor.....ROBERT L. NOBLE
Lecturers.....A. H. NEUFELD, C. GWENDOLINE TOBY
Fellow.....HECTOR MORTIMER

This Institute established in 1941 and housed in the West Wing of the Medical Building is devoted to research in the fundamentals of endocrinology. It is not an undergraduate teaching department, but is closely

associated with the Faculty of Graduate Studies and Research and the Faculty of Medicine and affords facilities for properly qualified graduates to work for the Ph.D. degree.

The Institute is under the Direction of Professor J. B. Collip, Gilman Cheney Research Professor of Endocrinology. Dr. Robert L. Noble is the senior assistant in the Physiological branches of the subject and Dr. A. H. Neufeld is the senior assistant in the biochemical branches.

A limited number of graduate students will be accepted. Entrance requirements are either the degree of Doctor of Medicine with high standing in the courses for that degree, or the M.Sc. degree in Physiology or Biochemistry or its equivalent in training in these subjects.

The minimum period in which a student with a B.Sc. or an M.D. degree can obtain a Ph.D. degree is three years. A student with an M.Sc. degree or its equivalent may qualify for the Ph.D. degree in a minimum of two years. It is not proposed to do any didactic teaching in the Institute, but candidates for a Ph.D. degree will be required to pass a comprehensive examination in the subject and to submit a thesis.

Inquiries concerning the Institute should be addressed to the Director.

GRADUATE INSTRUCTION

1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.

2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is $30.00 a term (10 weeks).

A Diploma of Public Health and a Diploma of Tropical Medicine are granted by McGill University.

Graduate teaching in Public Health has been suspended since 1943 due to war-time conditions. The new course has been designed to train graduates in medicine in the increasingly wider concept of public health service. This course is being conducted by the Department of Health and Social Medicine with the collaboration of other departments in the Faculty of Medicine and the assistance of members of other faculties in the University who have a special interest in this field. Practical instruction and application are made possible through the cooperation of the Department of Health of Montreal and voluntary health agencies.

The Department of Health and Social Medicine is housed in its new quarters at 490, Pine Avenue West, within easy access of the Medical Building. The building contains ample accommodation for lectures, seminars and demonstrations. In addition to the excellent facilities of the Library of the Faculty of Medicine, which are at the disposal of students, the Department has its own library and reading-room. The building is also the headquarters of the Student Health Service.

DIPLOMA OF PUBLIC HEALTH

The course includes:

Sociology, with special reference to the practice of Medicine;

Statistical Methods from the point of view of providing an understanding of the fundamental principles of statistics as they are applied to medical science for the critical analysis of surveys and reports; instruction is given in carrying on research involving statistical techniques;

Vital Statistics, including Biometrics, stressing the importance of the accurate recording of essential data, observations and other findings, together with their practical significance and application;

Epidemiology as defined in its broadest sense, including communicable disease control and the assessment of morbidity in non-communicable diseases;

Public Health Law and its administration;

Hygiene of the Environment, including Sanitation, Housing and Nutrition; Physiological Hygiene;

Industrial Toxicology and Industrial Hygiene;

Hygienes (Physical and Mental): Maternal, Infant, Pre-School, School and Adult;

Bacteriology, Parasitology and Immunology, as related to public health practice;

Social and Economic Factors in Health; programs designed to deal with them;

Public Health Practice: The organization and administration of public health programs, including Preventive Medicine, especially as they pertain to the public health agency, the family physician and the social worker;

FIELD WORK: A period of three months' approved field work must be undertaken before the Diploma is granted. Facilities are available in fields of special interest, such as Tuberculosis, Venereal Disease, School Health, etc.

Candidates for the Diploma of Public Health must be graduates in Medicine of a recognized university.

The Diploma of Public Health course covers one academic year from September 16, 1946, to the end of April, 1947, with three months' additional field work.

The Fee for the Diploma of Public Health is $250.00, a portion of which—$25.00—the candidate is requested to deposit on acceptance of his application.

Registration is from September 14 to 21, 1946.

DIPLOMA OF TROPICAL MEDICINE

Tropical Medicine is coming to occupy a prominent place in medical education in North America as a direct outcome of the war and the rapid advance of aeroplane travel.

The present course in Tropical Medicine is a development of the short course given during the war to members of the armed forces. It has been revised and adjusted to post-war conditions.

Classes will be held at the Institute of Parasitology at Macdonald College of McGill University. The teaching collection at the Institute is a large and representative one. The work will be practical as well as theoretical, and will include a study of Parasitology and Medical Entomology, laboratory diagnoses of tropical and sub-tropical diseases, and lectures on the diseases of the tropics, on tropical hygiene and minor sanitation.

Clinical instruction must, of necessity, be limited in temperate climates. This aspect is, therefore, deferred to the final part of the course which will be given in the tropics at the conclusion of the didactic instruction. The course consists of three-months' didactic work, commencing in April, to be followed by three-months' clinical and field work for which arrangements have been made with Georgetown, British Guiana, and Port of Spain, Trinidad.

Candidates for the Diploma of Tropical Medicine must be graduates in medicine of a recognized university and hold a Diploma of Public Health. Certain additional courses may be required of those who are not recent graduates or of those who have not had sufficient clinical practice.

The Fee for the Diploma of Tropical Medicine is $50.00 if preceded by the D.P.H. course at McGill University, or $100.00 for those already holding the D.P.H.

THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over $600,000, contains the Offices of Administration, the Medical Library (with its 65,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Health and Social Medicine, the Research Institute of Endocrinology and the Museums of Anatomy, Pathology and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The Laboratories for Histology and Embryology have excellent facilities with space for 120 students, and smaller rooms for research.

THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over $500,000, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neuro-surgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, laboratories, etc., the building provides complete residential accommodation for six research fellows

THE ALLAN MEMORIAL INSTITUTE

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building has been reconstructed to permit of the establishment of a fifty bed unit, together with extensive research laboratories, and was officially opened July 12th, 1944. Plans have been drawn up for the carrying out of undergraduate and postgraduate teaching in the Faculty of Medicine.

HOSPITALS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital.
Montreal General Hospital.
Children's Memorial Hospital.
Alexandra Hospital for Infectious Diseases.
Verdun Protestant Hospital.
Royal Edward Laurentian Hospital.
The Royal Victoria Montreal Maternity Hospital.

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 3,000 beds.

THE ROYAL VICTORIA HOSPITAL, in juxtaposition to the University buildings, is a general hospital for acute diseases and contains 693 beds and 96 cribs. In a typical year, it cared for 16.637 cases, while in its out-door department 68,994 cases were treated. Many new additions have been made in the Hospital. A modern University Medical Clinic was established in 1924.

There were 66.2% post-mortems.

The number of resident physicians is 70.

THE ROYAL VICTORIA-MONTREAL MATERNITY PAVILION, with 214 beds for obstetrical and gynæcological cases, was opened in June, 1926. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for 2,252 confinements in the Hospital and 210 in the Out-patient Service. In the gynæcological section, 1,803 cases were admitted during the year.

There are ten resident physicians.

THE MONTREAL GENERAL HOSPITAL, CENTRAL AND WESTERN DIVISIONS, is a general hospital for the treatment of acute diseases and contains 600 beds. In a recent year there were 12,200 admissions. The number of patients' visits to the Out-patient Department of both Divisions totals 174,977. Many modern additions to the original buildings have been made permitting increased bed capacity. There is a large biochemical laboratory fully equipped for the complete investigation of the metabolic aspects of disease and in conjunction with this department there is an out-patient clinic, one of the largest on the continent, for the treatment of diabetes mellitus. There were 573 autopsies performed which represents 85% of all autopsies obtainable, i.e., other than coroner's cases, etc. Post Mortem and surgical material at both Divisions is now used for teaching, and clinical teaching is carried out in the public wards at both Divisions. The number of resident physicians is 52. The Dental Clinic of the University completed in 1921 is located at the Central Division and has 50 dental chairs with a large and varied clientele. The number of visits to the Dental Clinic for a recent year was 19,065.

THE CHILDREN'S MEMORIAL HOSPITAL has 267 public beds, and, in a typical year, admitted 3,807 patients. The attendance at its out-door department totalled over 32,459 visits. This hospital admits all classes of cases of disease in children, and enables the students to get a broad

concept of pædiatrics. Of special interest are the newly-built wards with cubicles, the Department of Remedial Gymnastics, the Open-air Pavilions, and the well-equipped out-patient service.

There were 97 autopsies per year, which represents 88.3% of all deaths.

The number of resident physicians is 12.

THE ALEXANDRA HOSPITAL FOR INFECTIOUS DISEASES, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 172 beds, and, in a typical year, 2,008 patients were admitted to the hospital. There were 14 autopsies.

The number of resident physicians is 3.

THE VERDUN PROTESTANT HOSPITAL has 1,100 beds.

THE ROYAL EDWARD LAURENTIAN HOSPITAL, in its new building, 3674 St. Urbain St., has space for 70 beds, with operating room, X-Ray equipment and modern facilities for the examination of patients; it is essentially a dispensary for tuberculosis and offers adequate material for teaching students the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

LIBRARY

Honorary Librarian.....R. L. STEHLE

The Library occupies the central front section of the medical building. It contains more than 65,000 bound volumes and an extensive collection of pamphlets, theses, government publications and other items.

On the third floor are the pleasant, well-lighted reading room capable of accommodating seventy-five readers, and the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library—ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes.

some dating back to the sixteenth century. Among the books and journals the ophthalmological section, due in large measure to many gifts from the late Dr. Casey A. Wood, is excellent.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7.30 to 10.00 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

Librarian.....W. W. Francis

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 9,500 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death ("Bibliotheca Osleriana," Clarendon Press, Oxford, 1929, xxxvi, 785 pp.)

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

1. THE McGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

(1) To transact all matters of business connected with the undergraduate body.

(2) To stimulate interest along medical lines.

(3) To assist students to express themselves in public with facility.

(4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty) These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Third and Fourth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

3. THE OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.

PRINTED IN CANADA

McGILL UNIVERSITY

MONTREAL



FACULTY OF MEDICINE

1947-1948

McGILL UNIVERSITY

MONTREAL, CANADA

GENERAL INFORMATION
1947 - 1948

ADMISSION TO THE UNIVERSITY

Entrance Requirements

The Entrance requirements of the various faculties and schools of the University are given in the General Announcement, and in the separate announcements of these faculties and schools. These announcements may be obtained from the Registrar's Office.

Special Entrance Requirements for Ex-Service Men and Women

Ex-Service men and women should write to the Registrar's Office for information on the special entrance requirements that apply to them. When writing they should give details, as full as possible, of previous training and future academic ambitions.

Application Forms

Application forms for admission to the faculties of Arts and Science (including the School of Commerce), Engineering, Medicine, and Dentistry may be obtained from the Registrar's Office. Applications for admission to other faculties and schools should be made to the deans of the faculties or the directors of the schools concerned. All application forms give details of the certificates and records applicants must submit.

Admission to the University

The admissions policy of the University is definitely selective and no guarantee can be given that a student who has complied with the minimum entrance requirements will be admitted. Students, therefore, should never come to the University until they have received an official acceptance of their applications.

Inquiries

The Registrar will be pleased to answer inquiries concerning the University and to give advice to anyone who contemplates applying for admission.

DAWSON COLLEGE

To provide accommodation for the great number of veterans who wish to study for a degree, the University in September 1945 opened Dawson College at St. Johns, Quebec, about twenty-five miles from Montreal.

This college which was formerly an Air Observer Station of the R.C.A.F. is well equipped with living quarters, classrooms, laboratories, dining rooms, gymnasia, lounge rooms, and a theatre.

There is accommodation for a considerable number of married veterans, and special quarters for wounded men who are not yet perfectly fit. Application for special accommodation should be made early to the Vice-Principal, Dawson College, Quebec. The college has room for about 1,500 resident students.

The following students will, after September 1947, be in residence at Dawson College:

All students (men and women) in First Year Engineering.

All students in Second Year Engineering except those for whom special arrangements were made during the 1946-47 session.

All male students in the First Year of the B.Sc. course.

All male students in the Second Year of the General B.Sc. course, but not those taking an Honours course.

Exceptions:

Students may, in certain circumstances, be permitted to live in Montreal and commute to their lectures at Dawson College. Those seeking this privilege should apply to the Vice-Principal of Dawson College.

The monthly fees for Board and Residence at Dawson College are:

Single men in dormitories	$39.00
Single men or women in rooms	45.00
Man and wife in one room	70.00
Man, wife, and child in two rooms	80.00
Extra for each additional child	5.00
Health Fee for the Session (all students in residence)	3.00

These fees are subject to change without notice.

For further information, applicants should write to the office of the Vice-Principal, Dawson College, Quebec.

IMMIGRATION

All students entering Canada to attend courses at the University should obtain from the Registrar's Office an official letter of acceptance and should present this to the immigration authorities at the port of entry.

British Students

British students do not require passports to enter Canada but may require them if they wish to return, and they are therefore advised to obtain them before leaving for Canada.

American Students

American students do not need passports. They must, however, bring with them evidence of their American citizenship such as their birth certificate, baptismal certificate, naturalization certificate, or passport. They should register on arrival with the American Consulate General. Students coming from the United States of America who are not citizens of that country should carry evidence that they are legally in the United States, and prior to their return should obtain a re-entry permit from the American Immigration Department.

Other Students

All other students should carry passports.

Reference: Department of Mines and Resources, Memorandum No. 595335—Imm.

HEALTH SERVICE

The object of the student Health Service is to ensure that every student enrolled at McGill University shall be enabled to obtain the maximum protection for the development and maintenance of health at reasonable cost, during the University sessions.

The facilities of the Health Service provide for the early discovery of any defects of health and direct the student to competent treatment for any serious defect which may be found. The personnel of the Health Service have all been chosen for their ability to give competent and sympathetic service.

The Health Service provides treatment for minor illnesses or accidents.

It is not the function of the Health Service to undertake the care of serious cases beyond the initial diagnosis and emergency treatment. The patient will then be referred to the physician or surgeon of his choice or to the public service of designated hospitals.

The families of out-of-town students will be notified of any serious illness, and the action of the Health Service will be guided by their wishes or the advice of their family doctor.

Students entering the University are presumed to be in good health. If not, a statement to the contrary should be furnished to the Health Service before registration in the University is completed.

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination against Smallpox. Students should be vaccinated before they come to the University. If they have not complied with this Government regulation, they will be vaccinated at the University and a fee of $5.00 will be charged. Failure to be vaccinated before a certain date in the term will involve an additional fine of $5.00.

The University is not responsible for damages of any kind resulting from accidents or athletic injuries which may occur, nor for the medical or hospital expenses incurred by any person suffering an accident or athletic injury. In the case of injuries which occur during intercollegiate or intramural competition in athletics or in preparation therefor, the Health Service will render treatment, including hospitalization, if necessary, but any hospital expense in connection therewith shall be limited to the same maximum amount and conditions as in the case of hospitalization for illness. If circumstances appear to justify such action, the Director of the Department of Physical Education may authorize additional services or contributions towards such cost.

The Student Health Service is organized to provide:

(a) Annual examinations for all men and women students in the University at the beginning of each Session. The examination includes a complete clinical check, together with an X-ray of chest and routine laboratory procedures. It is designed to provide an evaluation of the student's physical and psychological condition. Participation in athletics is conditional upon the findings. The examination is compulsory for all students and is given during a stated period of time. Announcements appear on the notice board giving the date, time and place for each student. Any student who fails to be examined during the regular period is subject to a fine of $5.00. If the student fails to report on a subsequently specified date the fine is increased to $10.00. Should he fail to report after another request, he is suspended from the University.

Re-examination during the session is undertaken for any student who may seem to require it.

(b) Consultative service for all students during regular hours throughout the week at designated locations by physicians of the Health Service. This service is optional on the part of the student. Any services obtained by the student from a private physician are the students' responsibility. The University will not pay for such services.

A limited number of visits by a physician or nurse of the Health Service for those living away from home and confined to bed will be undertaken.

A student who has received medical attention for an illness or accident must be declared fit by the Health Service before he may resume participation in classes or athletics.

(c) Payment for one half of all public ward rates in a designated general hospital up to a maximum of $125.00 per student in any one session of the University, providing that the hospitalization is requisitioned by the Health Services.

This contribution is not applicable to hospital expenses for an illness or other condition which was known or ascertained at the time of admission.

Detailed information will be furnished each student at the time of registration.

BOARD AND RESIDENCE

The University reserves the right to make changes without notice in its published schedule of tuition, board and residence, and other fees.

I. For Men

Douglas Hall of Residence

Douglas Hall was opened in September 1937. It is built on the staircase plan, each student normally having his own study-bedroom and sharing a sitting room with two other men, the three study-bedrooms and the sitting room forming a self-contained and separate suite. Meals, under the supervision of a qualified dietitian, are served in the attractive refectory and residents have in addition the use of adequate common rooms, play rooms, etc.

Normal Fees for Board and Residence:

Engineering and Architecture	$438.00
Arts, Science, Commerce, Law	478.00
Dentistry and Medicine	553.00

Due to limited accommodation, a few students will be required to share a study-bedroom, in which case a rebate of $40.00 on the normal fee will be allowed.

Wilson Memorial Hall

Wilson Memorial Hall, acquired in 1945, has accommodation for approximately seventy students, most of whom share a double room. Otherwise the facilities of dining room and common rooms are similar to those at Douglas Hall.

Normal Fees for Board and Residence:

Engineering and Architecture	$433.00
Arts, Science, Commerce and Law	468.00

Students sharing a double room will be allowed a rebate of $40.00 on the normal fee.

One half of the fee is payable at the beginning of the session, and the balance on February 1st.

Students who are in residence for any additional period are charged extra at the rate of $2.00 per day.

Application forms for both residences may be obtained from the Warden's Office, Douglas Hall of Residence.

Lodgings

Before the opening of the session each year a list of Approved Lodgings which have been inspected by a representative of the University is issued by the Lodgings Committee. This List which gives details of rooms, meals, prices, etc., may be consulted in the Registrar's Office, the Students' Union, and other University Buildings. The list is not sent by mail.

The cost of board and lodging in approved rooms varies from $50 to $75 per month. Separately, board costs from $35, and a room from $20 upwards per month.

Board is furnished in the McGill Union at low rates.

Board and lodging for men may also be obtained in the Diocesan College, which is affiliated with the University.

II. For Women

THE ROYAL VICTORIA COLLEGE

The present building of the Royal Victoria College was erected in 1899 under the terms of the endowment created by the late Rt. Hon. Baron Strathcona and Mount Royal for the education of women at McGill University. The extension was built in 1930-31 and adjoining land has recently been acquired for the purpose of providing additional facilities.

All women undergraduates registered at McGill University are automatically members of the Royal Victoria College, whether in residence or not, and are required by the University to complete the supplementary registration forms of the Royal Victoria College.

The activities of all women students center in the college, which contains a separate library, cafeteria, gymnasium facilities, health offices and accommodation for the Women's Union, as well as residential quarters and the Warden's office.

The Warden has general supervision over all the academic activities of the women students. Under the University statutes, she is responsible for "the preservation everywhere of the good character and good name of the College." To this end she has jurisdiction over all women's extra-curricular activities.

Admission

To be eligible for residence students must have fulfilled all the entrance requirements of McGill University, have been officially accepted for a full course leading to a degree or diploma and have complied with the health regulations (see paragraph on health).

Admission to residence is based upon scholarship, character, health and general promise.

Application for Residence

Application forms may be secured either from the Registrar's Office of the University or from the College, and when completed should be addressed to the Warden, Royal Victoria College, McGill University, Montreal. It is to the candidate's advantage to make application early and in any case by May 15th. (Students should not await the results of their matriculation examinations before applying.) While the date of application is not considered in the selection of candidates, rooms are assigned to those accepted in the order in which forms are received.

Residences

The College has accommodation for 137 students only, but residence for approximately 140 students is available at Strathcona Hall, a residence building one block west of Royal Victoria College on Sherbrooke Street, A.N.A. House and McLennan Hall on Ontario Avenue. McLennan Hall, formerly the home of Miss Isabella C. McLennan, and recently donated by her to the University, is within 10 minutes' walking distance of the College. Breakfast is served at the Hall and other meals at the Royal Victoria College.

Opening and Closing of Residences

Registration dates for women students are as follows:

Friday and Saturday, September 26th and 27th—	B.A.	3rd and 4th years
	B.Sc.	2nd, 3rd and 4th years
	B.Com.	3rd and 4th years
Saturday morning, September 27th	—*Non-Resident*	1st year women
Tuesday, September 30th—	B.A.	1st and 2nd years
	B.Sc.	1st year
	B.Com.	1st and 2nd years
	Pre-Physiotherapy	

A late registration fee of $5.00 will be charged to any woman student registering late.

Residences will open for all students on Thursday, September 25th, when the mid-day meal will be the first to be served. *Students will not be admitted before this date.*

All students except seniors are expected to leave in May within 48 hours of their last examination, seniors by the day after Convocation.

Rooms and Furnishings.

In the Royal Victoria College there are 130 single rooms and 7 double rooms. The rooms are furnished with the following: couch bed, bedding and

linen (two blankets, pillow, sheets, pillow cases, bath towels, face towels), muslin curtains, small rug, bureau, desk, bookcase, desk chair, waste-basket, and study lamp. Couch coverings and bureau scarves are not provided.

In Strathcona Hall there are 45 single rooms and 9 double rooms, with furnishings similar to the Royal Victoria College.

At McLennan Hall the rooms are large and accommodate two or three students each, except for two single rooms. The furnishings include couch beds, bedding and linen (two blankets, pillow, sheets, pillow cases, bath towels, face towels), bureaus, desks, chairs, waste-baskets, and study lamps. Couch coverings and bureau scarves are not provided

A.N.A. House, 3456 Ontario Avenue, has been taken over by the Royal Victoria College and established as a residence for undergraduate women veteran students. Most of the rooms are large and accommodate several students. The furnishings include cot beds, bedding and linen, bureaus, study tables, chairs, waste-baskets and study lamps.

RATES

The charge for board and residence in the Royal Victoria College for a student occupying a single room is $453.00 and for a student occupying a double room $428.00.

The charge for board and residence in Strathcona Hall is $403.00 for a single room and $378.00 for a double room.

The charge for board and residence at McLennan Hall is $453.00 for the single rooms and $378.00 for all others.

The charge for board and residence at A.N.A. House is $320.00.

These charges cover the period of the University session (Arts and Science) exclusive of the Christmas holiday. Students who are in residence for any additional period for purposes of instruction, practice teaching or examinations are charged at the rate of $2.00 per day at the Royal Victoria College, Strathcona Hall and McLennan Hall. Those at A.N.A. House pay $1.35 per day.

RESIDENCE OUTSIDE THE COLLEGE

Students not residing with their parents or guardians should apply for residence in the Royal Victoria College or Strathcona Hall or McLennan Hall or consult with the Warden with regard to living outside. A list of approved boarding houses with details of rooms, prices, etc., may be consulted at the Royal Victoria College. All women students living out of residence must obtain the Warden's written approval of their living arrangements and no student may change her lodging without the written consent of the Warden.

No sanction can be given to establishments of students in apartments or elsewhere unless such households are presided over by a parent or other responsible person approved by the Warden.

There is accommodation for meals in the cafeteria at the Royal Victoria College.

Health

The health service for both resident and non-resident students is part of the University Health Service. The Assistant Physician for the Royal Victoria College, Dr. M. Dorothea Mellor, is assisted by the resident nurse.

No student who has an infectious illness or who comes from a house in which there has been an infectious illness may enter or return to the College unless the regulations of the Provincial Department of Health are observed. In all such cases the Warden must be notified and official consent secured. All students entering the University for the first time are required according to Provincial regulations to present a certificate or other satisfactory evidence of successful vaccination within seven years, or of insusceptibility to vaccine within five years.

FEES

The University reserves the right to make changes without notice in its published schedule of tuition, board and residence, and other fees.

I. University Fees

These fees include all the regular charges of the University for tuition, health service, registration, libraries, laboratories, physical education, sports, games, and graduation. The only additional fee is the Students' Society Fee (*see page 211*).

Full-Time Regular Students

Arts	$234.00
Science	257.00
Engineering	280.00
Medicine (British students)	378.00
Medicine (Non-British students)	478.00
Dentistry (British students)	329.00
Dentistry (Non-British students)	369.00
Law	255.00
Music	227.00
Library School	267.00
Commerce	253.00
Graduate Faculty	147.00 or 167.00*
School of Physical Education (Degree Course)	262.00
School for Graduate Nurses (Diploma Course)	187.00
School for Graduate Nurses (Degree Course)	232.00
Physiotherapy	252.00
High School Diploma Course	147.00

*The higher fee if laboratory courses are taken. Students in Chemistry are charged a Caution Levy of $7.00.

CONDITIONED STUDENTS

Special fee for an additional course repeated or substituted by Conditioned Students (one full course or two half courses).. $10.00

LIMITED UNDERGRADUATES IN THE FACULTY OF ARTS AND SCIENCE

First and Second Years, per course..... $55.00
Other years, per course..... 65.00

PARTIAL STUDENTS

	Half Courses	Full Courses
Arts, Science and Commerce, per course.....	$30.00	$60.00
Engineering, per hour of instruction per week, per term	10.00	10.00

The maximum fee for a partial student is the full undergraduate fee.

Information concerning the fees payable by partial students taking other courses may be obtained from the Bursar's office.

Partial students pay $5.00 for Athletics and are entitled to use the outdoor facilities, tennis courts, rinks, etc. If they desire the full athletic and health service privileges of a regular student the fee payable is $22.00. Such students must be medically examined at the time of registration.

Partial students who pay the full undergraduate fee are entitled to the use of the Student Health Service and all facilities of the Department of Physical Education enjoyed by regular students.

PAYMENTS BY INSTALMENTS

Fees may be paid in two instalments, one at the beginning of the session and one on the 1st of February following. For this privilege the fee (payable $2.50 with each instalment) is..... $ 5.00

II. SPECIAL FEES AND PENALTIES

Late registration (first week) extra..... $ 5.00
Late registration (second week) extra..... 10.00
Late payment fee (after specified date)..... 2.00
Fine for late medical examination (*see page 204*).....5.00 or 10.00
Graduation *in absentia*..... 10.00
Duplicate Diploma..... 10.00
Certified copy of student's record..... 1.00
Additional copies (at same time)..... .50
Certificate of exemption from Matriculation..... 2.00
Supplemental examinations, each paper..... 10.00
Rental of microscope (*for students in Dentistry*)..... 7.50

McGill graduates and graduates of other Universities may use the University Library on payment of an annual fee of $5.00.

III. Students' Society Fees

An annual fee of $10 ($11 in Engineering) is payable by all under graduates for the support of student organizations. Engineering students are required to make a deposit of $10.00 for the Engineering Undergraduates Book Service.

Medical students pay an additional $2.00 for the Medical Journal.

The men's fee is distributed as follows: McGill Union $3.50; McGill Daily $1.50; Students' Executive Council $4.00; Undergraduate Society $1.00.

The women's fee is distributed as follows: Women's Union $3.50: McGill Daily $1.50; Students' Executive Council $4.00; Undergraduate Society $1.00.

Fees for the use of the gymnasium, the rinks and tennis courts, and free admission to all home games of University teams are included in the University Fees given on page 209.

REGULATIONS FOR PAYMENT OF FEES

1. Fees are due and payable at the Bursar's Office immediately after registration; exact dates are shown in the announcements of the various Faculties and Schools. A late fee of $2.00 is charged for payment after the specified dates.

2. The University does not issue bills for fees. Each student is required, at the time of registration, to complete a form giving full details of his fees for the session. This form provides a detailed statement to accompany remittances sent by mail.

3. Fees may be paid in two instalments, one at the beginning of the session, and one on February 1st following. In such cases the instalment fee of $5.00 is charged.

   1st Instalment

   Divide Tuition, Board and Residence, and Instalment Fees in half. All other fees and deposits are payable in full with first instalment.

   2nd Instalment

   Balance of Tuition, Board and Residence, and Instalment Fees.

4. Domicile in general determines whether a student pays the British or the Non-British fees in Medicine and Dentistry. A student who is uncertain which rate he is required to pay should consult the Registrar.

5. Students registering late pay their fees at the time of registration, failing which they become subject to the provisions of the following paragraph:

Immediately after the prescribed dates for the payment of fees the Bursar will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

6. Further details concerning fees in the Faculty of Graduate Studies and Research are given in the announcement of that Faculty.

REGULATIONS CONCERNING REMISSION OF FEES TO STUDENTS WHO LEAVE THE UNIVERSITY DURING THE COURSE OF THE ACADEMIC YEAR

1. Students withdrawing from the University must cancel their registration at the Registrar's Office.
2. In the case of students who, in spite of the fact that they leave the University before the end of the academic year, receive full credit for the year towards their degree, there shall be no refund of fees.
3. In the case of students who leave during the academic year and do not receive credit beyond the period of their attendance, the fees shall be remitted on the following basis:
   (a) In those Faculties where the academic year is divided into two terms, half of the annual fees shall be remitted to a student who leaves prior to the beginning of the second term.
   (b) In those Faculties where the year is divided into three terms, one-third of the fees shall be returned for each term that begins after the departure of the student.
4. No fees shall be refunded for any term during which the student has attended classes, even though he leaves before the term has finished.
5. Board and residence fees are payable for the full academic year and shall not be refunded.
6. Students' Activities fees shall not be refunded.

EXPENSES

It will be seen that each student pays annually two fees, (1) his inclusive University fee (2) a Student's Activity fee. There are no other regular fees and the only extras are for late registration, for graduation *in absentia*, etc., as listed above. Consequently the expenses of a student may be estimated by adding these two fees and the cost of board and lodging (*see pages 205 to 209*). Books are necessarily a variable expense, but probably $30 a year would be about their average cost in Arts and Science. Personal expenditure upon clothes, amusements, etc., is still more variable and no useful estimate is possible.

PART-TIME EMPLOYMENT

Inquiries regarding placement, part-time work, or summer employment should be directed to the University Placement Service. However, students taking a regular degree course generally have insufficient leisure to make heavy part-time work during the term advisable, and they are recommended not to rely upon earning any money while actually at college.

SPORTS FOR MEN

There is intercollegiate competition in approximately twenty different sports including, football, hockey, track, basketball, skiing, swimming, boxing, wrestling, fencing, and golf, and, in addition, there is a wide programme of intra-mural competition in various sports. The Sir Arthur Currie Memorial Gymnasium provides accommodation for many indoor activities, while Mount Royal in Montreal and the Laurentian Mountains north of Montreal provide excellent skiing country. A student in good health thus has ample opportunities for exercise and pleasant recreation.

SPORTS FOR WOMEN

For women students there is a wide choice of voluntary sports and recreations including archery, basketball, dancing, gymnastics, skating, skiing, swimming and tennis. Special care is taken that no student undertakes any exercise for which she is physically unsuited.

CALENDAR FOR THE SESSION 1947-48

1947

May 28th, Wednesday. Convocation. No lectures.

May 30th, Friday. Registration of Students in Summer Session in the Faculty of Arts and Science and continuing Second Term.

June 2nd, Monday. Lectures begin in Arts and Science Summer Session and in Second Term Arts and Science and Engineering.

June 27th, Friday. French Summer School begins.

June 30th, Monday. Geography Summer School begins.

July 1st, Tuesday. Dominion Day. No lectures.

August 8th, Friday. French Summer School ends.

August 11th, Monday. Geography Summer School ends.

August 14th, Thursday. Lectures end in the Faculty of Arts and Science Summer Session.

August 18th, Monday. Examinations begin in the Arts and Science Summer Session.

September 2nd, Tuesday. Students register in all years of Medicine and Dentistry. Public Health Nurses report for field work. Summer School in Mechanical Engineering begins. Fall Survey School begins. High School Diploma students report for training in the Department of Education. Last day for filing graduate theses for Autumn Convocation.

September 3rd, Wednesday. Lectures begin in all years of Medicine and Dentistry. Seminars and field work begin for High School Diploma students. School Certificate Examinations begin.

September 8th, Monday. Second and Third Year Students in the School of Physical Education report for Autumn Outdoor School. Supplemental Examinations begin in Arts and Science, Commerce, Engineering, Architecture, and in the School of Physical Education.

September 12th, Friday. Teaching and Supervision students report for field work in the School for Graduate Nurses.

September 13th, Saturday. Last day for reports on Ph.D. theses.

September 15th, Monday. Last day for reports on Masters' theses. Special Summer School in Surveying begins. Architectural Sketching School begins. Conservatorium of Music opens for practical work.

September 16th, Tuesday to September 20th, Saturday. Final orals for Ph.D.

September 19th, Friday, and September 20th, Saturday. Students register in the Library School.

September 22nd, Monday. Lectures begin in the Library School.

September 25th, Thursday. Registration of Upper Year Students begins in Arts and Science.

September 29th, Monday. Freshman Day. Registration of First Year Students begins in Arts and Science. Registration of all years in Engineering and Architecture. Registration in the School of Social Work. Lectures begin in the Faculty of Music.

September 29th, Monday and September 30th, Tuesday. Students register in Law, the School for Graduate Nurses, the First and Fourth Years of the School of Physical Education, and the School of Physiotherapy.

September 30th, Tuesday. Lectures begin in the School of Social Work.

October 1st, Wednesday. Lectures began in Arts & Science, Commerce, Engineering, Architecture, Law, Agriculture, Household Science, Graduate Studies and Research, the School for Graduate Nurses, the School of Physiotherapy, and the School of Physical Education. Last day for receiving candidates' applications and Sessional registration forms in the Dean's Office, Faculty of Graduate Studies and Research. Last day for handing in summer essays in the Faculty of Engineering.

October 6th, Monday. Founder's Day. Convocation.
(James McGill born October 6th, 1744, died December 19th, 1813.)

**Thanksgiving Day.* No lectures.

October 18th, Saturday. Last day for submitting certificates relating to summer employment in the Faculty of Engineering.

October 25th, Saturday. Last day for registration and payment of fees in the Faculty of Graduate Studies and Research.

December 6th, Saturday to December 13th, Saturday. Examinations in French and German for Ph.D. students.

December 12th, Friday. First term ends in the Library School.

December 16th, Tuesday, to December 19th, Friday. Examinations in the Library School.

December 19th, Friday. Last day of lectures and field work in the School of Social Work.

December 20th, Saturday. Last day of lectures in all other Faculties and Schools.

1948

January 2nd, Friday. Lectures resumed in Medicine, Dentistry, Law, and Graduate Studies.

January 3rd, Saturday. First term ends in Law.

January 5th, Monday. Lectures resumed in the Library School, Music, and the School of Social Work. Second term begins in Law. First term examinations begin in Arts and Science, Engineering, Architecture, Physical Education, the School for Graduate Nurses, and Physiotherapy.

January 12th, Monday. Second term begins in Arts and Science, Commerce, Engineering, Architecture, Physical Education, the School for Graduate Nurses, and Physiotherapy.

January 28th, Wednesday, to January 30th, Friday. Examinations held in the School of Social Work.

February 2nd, Monday. Second term begins in the School of Social Work.

February 10th, Tuesday. Founder's Day at Macdonald College.
(Sir William Macdonald born February 10th, 1831, died June 9th, 1917.)

Library School trip. Dates to be announced.

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*Thanksgiving Day will be a University Holiday. The date will be proclaimed later by the Dominion Government.

March 26th, Friday, to March 29th, Monday (inclusive). Easter vacation.

April 7th, Wednesday. Lectures end in all years of Engineering and Architecture.

April 12th, Monday. Examinations begin in all years of Engineering and Architecture.

April 15th, Thursday. Last day for filing Ph.D. theses.

April 16th, Friday. Lectures end in all Faculties and Schools except Medicine, Dentistry, the Library School and Music.

April 21st, Wednesday. Examinations begin in Arts and Science, Commerce, Law, Physical Education, Agriculture, Household Science, the School for Graduate Nurses, and Physiotherapy.

April 22nd, Thursday. Last day for filing Masters' theses not involving experimental work.

April 30th, Friday. Examinations begin in the Theory of Music.

May 1st, Saturday. Lectures end in the Library School. Last day for filing Master's theses involving experimental work.

May 3rd, Monday. Practical examinations begin in Music.

May 4th, Tuesday. Examinations begin in the Library School and in Higher Theoretical Music.

May 7th, Friday. Last day of lectures in the School of Social Work.

May 8th, Saturday. Last day for reports on Ph.D. theses and for reports on graduate examinations. Lectures end in Music. Examinations begin in the School of Social Work.

May 8th, Saturday, to May 15th, Saturday. Final orals for Ph.D.

May 10th, Monday, to May 22nd, Saturday. Practice work in the Library School.

May 12th, Wednesday. Last day for reports on Masters' theses.

May 15th, Saturday. Lessons in Practical Music end at Conservatorium of Music.

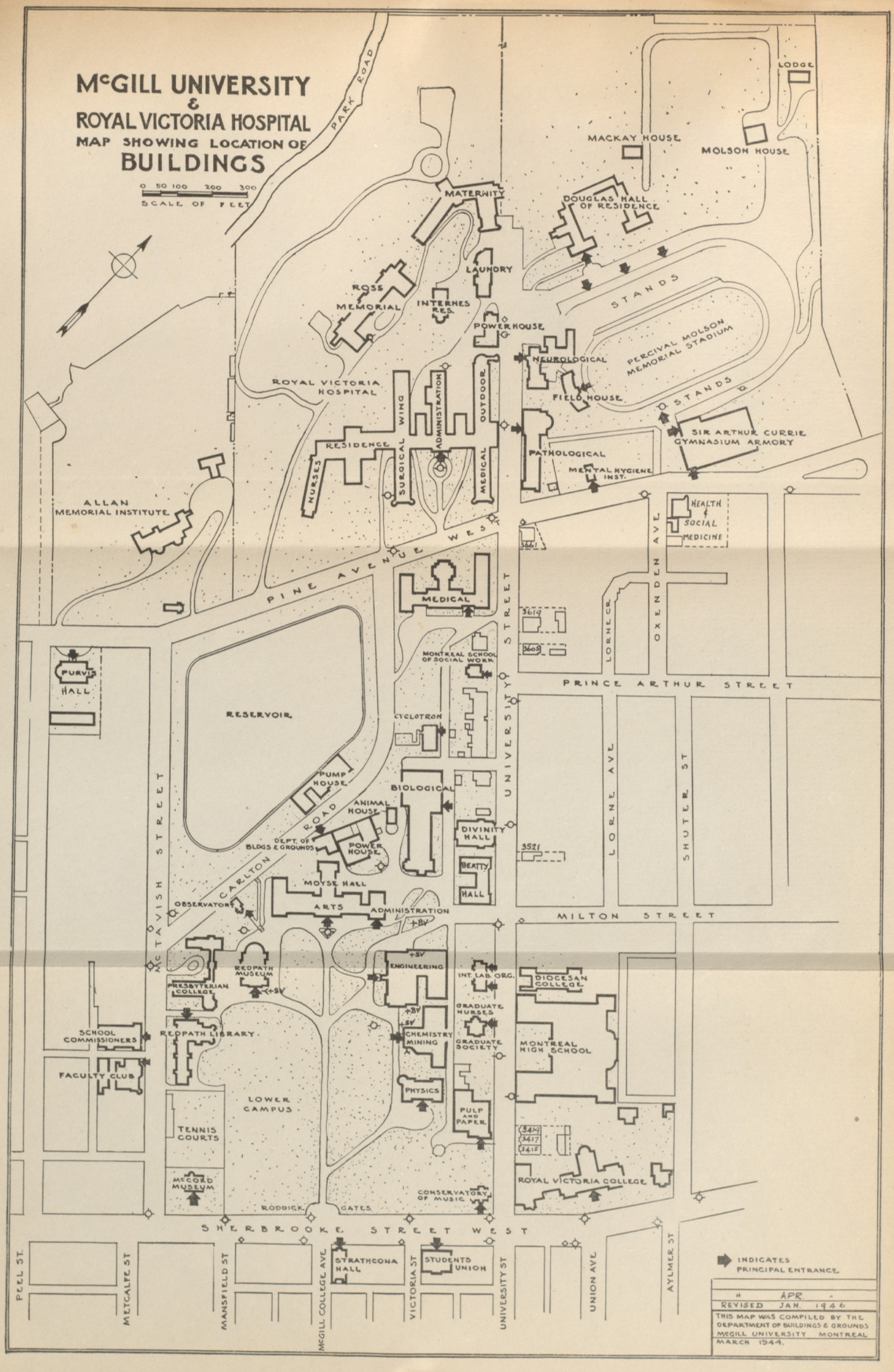
May 17th, Monday. First day of full-time field work in the School of Social Work.

May 26th, Wednesday. Convocation.

June 14th, Monday. School Certificate Examinations begin.

June 26th, Saturday. Last day of full-time field work in the School of Social Work.

McGILL UNIVERSITY
& ROYAL VICTORIA HOSPITAL
MAP SHOWING LOCATION OF BUILDINGS



H APR.
REVISED JAN. 1946

THIS MAP WAS COMPILED BY THE DEPARTMENT OF BUILDINGS & GROUNDS McGILL UNIVERSITY MONTREAL
MARCH 1944.

McGILL UNIVERSITY

MONTREAL



FACULTY OF MEDICINE

1947-1948

McGILL UNIVERSITY

MONTREAL

FACULTY OF MEDICINE

1947-1948

	Page
Administrative Officers	1205
Admission to Medicine	1207
Alpha Omega Alpha Honorary Medical Society	1257
Anatomy	1218
Anæsthesia	1242
Bacteriology	1222
Biochemistry	1220
Board and Lodging	1211
Buildings	1252
Bursaries	1216
Clinical Therapeutics	1228
Course for the Degree of M.D., C.M.	1212
Courses of Instruction	1218
Dermatology	1228
Diploma of Public Health	1250
Diploma of Tropical Medicine	1251
Dominion Registration	1217
Embryology	1219
Entrance Requirements	1207
Equivalent Standing in Medicine	1208
Examinations	1213
Fees	1210
Fellowships	1216
General Council of Medical Education, Great Britain	1217
Grading	1215
Graduate and Advanced Courses	1249
Gynæcology	1244
Health Service	1211
Health and Social Medicine	1225
Histology	1219
Hospitals	1253
Immunology	1222
Library	1255
Loan Fund	1216

	Page
Medals	1216
Medical Jurisprudence	1228
Medical Societies	1257
Medicine	1227
Microscopes	1211
Microscopic Anatomy	1219
Neurology and Neurosurgery	1236
Obstetrics	1243
Ophthalmology	1245
Orthopædic Surgery	1239
Osler Library	1256
Osler Society	1258
Oto-Laryngology	1246
Parisitology	1224
Pathology	1220
Pædiatrics	1234
Pharmacology	1226
Physiology	1219
Prizes	1216
Promotion	1215
Psychiatry	1233
Radiology	1248
Reciprocity with Great Britain	1217
Registration	1209
Requirements for Degree of M.D., C.M.	1216
Requirements for Licence	1216
Scholarships	1216
Surgery	1238
Therapeutics	1227
Undergraduate Medical Society	1257
Urology	1239

McGILL UNIVERSITY

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

Principal.....F. Cyril James, Ph.D., D.C.L.

Dean of the Faculty.....Frederick Smith, M.A., M.B., B.Ch., M.R.C.P., M.R.C.S.

Secretary of the Faculty.....D. S. Fleming, B.A., M.D., C.M. D.P.H.

Comptroller and Executive Assistant to the Principal.....S. H. Dobell, D.S.O.

Bursar.....W. Bentley, C.G.A., A.C.I.S.

Registrar.....T. H. Matthews, M.A.

University Librarian.....Richard Pennington, B.A.

Honorary Medical Librarian.....R. L. Stehle, M.A., Ph.D.

Osler Librarian and Director of the Museum of the History of Medicine.W. W. Francis, A.B., M.D.

Assistant Secretary of the Faculty.....Miss G. D. Mudge

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate announcement, which may be obtained from the Registrar's Office.

FACULTY OF MEDICINE

The one hundred and fifteenth session of the Faculty will open on September 3rd, 1947, for students of the 1st year.

REQUIREMENTS FOR ENTRANCE

1. (a) *Total Academic Credits:*

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof). This minimum requirement may be regarded as equivalent to a total of 90 semester hours.

(b) *Scientific Requirements:*

In the scientific branches, certain subjects are specifically required:

Chemistry, two full courses, including General Chemistry and Organic Chemistry, with laboratory work.

Physics, one year with laboratory work.

Biology, or *Zoology*, one year with laboratory work. (Of this, a half year must consist of Zoology.)

(c) *Cultural Requirements:*

These must be selected in such a way as to be in harmony with the requirements for the degree of B.A. or B.Sc. at the college where the courses are taken. These would commonly include credits in English Literature and in Composition, Mathematics and at least one modern language. It is advisable for each applicant to present evidence of such preparation.

(d) All candidates for admission to the Medical Faculty are required to take the Graduate Record Examination, or furnish a satisfactory explanation of reasons why they are unable to do so.

2. In selecting courses, in addition to the specific requirements listed above, the intending medical student should plan his pre-medical course as a whole, and in accordance with a definite educational objective. Emphasis should be laid on the broad educational value and the intellectual training afforded, rather than on the factual content of such pre-medical curricula; the student is therefore advised to plan his course in such a way as to provide more than elementary training in some definite

field of learning which appeals to him; this major field may be selected from the Natural or Social Sciences or the Humanities. Certain subjects which though not essential have been found valuable in medical study, and which may be included as electives if the curriculum in the major field permits, are Psychology, Sociology and Genetics.

In general, students are advised not to anticipate medical school courses in Physiology, Histology, Bacteriology and Biochemistry at the expense of a fundamental training as outlined above.

On the other hand, for students who desire a preparation in excess of the minimum requirements, a considerable degree of specialization in the sciences, such as Honours graduation, or a Master's degree, in Physics, Chemistry, Biochemistry, Biology, Physiology, or Bacteriology, may prove to be desirable and advantageous.

The students' attention is called to the memorandum printed in the Announcement of the Faculty of Arts and Science, for the guidance of pre-medical students.

Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body where they wish to practise.

EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than March 1st.

A fee of $25.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Tuesday, September 2nd, 1947. Those who register after this date will be required to pay a late registration fee of $5.00 if they register during the first week of the session and $10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

FEES

The University reserves the right to make changes without notice in its published schedule of tuition, board and residence, and other fees.

UNIVERSITY FEES

1. REGULAR STUDENTS.

Annual fee for British students	$378.00
By instalments: each of two instalments	191.50
Annual fee for Non-British students	478.00
By instalments: each of two instalments	241.50

2. REPEATING A YEAR.

British students repeating a year pay	378.00
Non-British students repeating a year pay	478.00

3. PARTIAL STUDENTS.

Qualified students may be admitted as partials to one or more courses on payment of special fees.

4. AD EUNDEM FEE.

Students entering any year above the first pay a special *ad eundem* fee of $10.00

5. DIPLOMA OF PUBLIC HEALTH FEES.

The fee for the graduate course in Public Health, including laboratory and outdoor work, as well as student Health Service fee, is $250.00, of which $25.00 is to be deposited on acceptance of application.

6. DIPLOMA OF TROPICAL MEDICINE FEES.

The fee for the course leading to this diploma is $50.00 if preceded by the D.P.H. course at McGill University or $100.00 for those already holding the D.P.H., taken elsewhere. For all others the fee is $150.00.

STUDENT FEES

FEES FOR THE SUPPORT OF STUDENT ORGANIZATIONS.

Regular students (men)	$13.00
Regular students (women)	13.00
Partial students	5.00

DATES OF PAYMENT

Fees are due and payable at the Bursar's Office between the hours of 9 a.m. and 4 p.m. on the following dates:—

Tuesday, September 2nd, to Thursday, September 4th, inclusive, or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional $2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration failing which they become subject to the provisions of the above paragraph.

Immediately after the prescribed dates for the payment of fees the Bursar will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Bursar.

All fees are payable in Canadian currency.

Domicile will in general determine whether a student pays the British or Non-British fees. A student who is uncertain which rate he will be required to pay should consult the Registrar.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

Microscopes

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine. Suitable microscopes may be secured through local dealers. Information regarding terms may be obtained from the Dean's office.

BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement (pages 205 to 213).

HEALTH SERVICE

For details of the Health Service and Medical Examinations see the General Information Pamphlet included in this Announcement (page 203).

COURSES FOR THE DEGREE OF M.D., C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

a. four years of medical study in the University leading to the degree of M.D., C.M.; and

b. one year of interneship in an approved hospital.

OR

one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

While the Faculty Administration exercises a general supervision of arrangements for interneships, the Faculty of Medicine assumes no responsibility to provide an interneship for any student.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are three sessions of thirty-six weeks each and one session (final session) of thirty-two weeks, all exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day) and continue until the first week of June in the first three years and to the first week in May in the final year.

The academic session is divided into four terms in the first and fourth session and into three terms in the second and third sessions. The minimal period of study for the degree of M.D., C.M., is, therefore, four sessions of study comprising one hundred and forty weeks exclusive of examination periods.

The arrangement of the principal subjects of instruction is usually as follows:

First Session

Anatomy (including Histology and Embryology), Physiology, Biochemistry, Psychobiology and Medical Sociology, Introduction to Medicine.

Second Session

Pharmacology, General Pathology, Bacteriology and Immunology, Parasitology, Laboratory Diagnosis, Medicine, Surgery, Paediatrics, Obstetrics, Health and Social Medicine, Psychiatry.

Third Session

Special Pathology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynæcology, Pædiatrics, Psychiatry, Therapeutics, Ophthalmology, Oto-laryngology, Medical Jurisprudence, Radiology, Anaesthesia.

FOURTH SESSION

Medicine,* Surgery,* Obstetrics and Gynæcology, Psychiatry, Pædiatrics, Ophthalmology, Otolaryngology, Radiology, Neurology and Neuro-Surgery.

*In these subjects are included the following:—

Medicine—Dermatology, Clinical Therapeutics.

Surgery—Orthopædics, Urological Surgery, Anæsthesia.

EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely, major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology), Histology, Physiology, Biochemistry, Pharmacology, Bacteriology and Immunology, Pathology, Health and Social Medicine, Pædiatrics, Medicine, Surgery, Obstetrics and Gynæcology, Psychiatry.

Minor examinations include the final examinations in Parasitology, Laboratory Diagnosis, Medical Jurisprudence, Therapeutics, Ophthalmology, Otolaryngology, Radiology and examinations preliminary to the final major examinations.

A student who fails in any major examination will be required before he sits a supplemental examination to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplemental of one (or two) minor examination may proceed with other subjects in the following year, carrying such subject as a condition, but may not sit any subsequent major examinations until such conditions have been removed, nor may more than two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked

to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in examinations, except on special recommendation of the Promotion Committe, acting upon the motion of the representatives on the committee of the department concerned.

A student who has been permitted to repeat his year shall be required to make a C+ grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

A schedule of the times of major and minor examinations shall be published as a supplement to these ordinances at the beginning of each academic session.

Examinations, tests, reviews, etc., may be held during the session by any department in its time of instruction, provided that no more than

twenty-four (24) hours' notice is given. It is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know how he is progressing in his studies.

There shall be two Promotion Committees. The First Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Bacteriology, Parasitology, Pathology, and Endocrinology, appointed by the Dean, and the Dean and Secretary *ex officio*. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the first and second years. The second Committee shall consist of representatives of the Departments of Pathology, Bacteriology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynæcology and Pædiatrics, appointed by the Dean, and the Dean and Secretary *ex officio*. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the third and fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.

GRADING

At the conclusion of each course, students are graded in five groups as follows:—

A = Excellent
B = Good
C = Fair
D = Doubtful
E = Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

The grade assigned to a student is based upon the results of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

FELLOWSHIPS, SCHOLARSHIPS, BURSARIES, MEDALS, PRIZES, AND LOAN FUNDS

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund may be found in the Scholarships Announcement.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.

2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 1212.)

3. No one is permitted to become a candidate for the degree who has not attended at least one full session at this University.

4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.

5. He must have attended during at least three sessions of nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.

6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.

7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a license to practise can be obtained.

N.B.—In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC—Dr. J. Paquin, 1896 Dorchester St. West, Montreal.

ONTARIO—Dr. Robert T. Noble, 566 University Ave. Toronto, Ont.

NEW BRUNSWICK—Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

NOVA SCOTIA—Dr. H. L. Scammell, 196 Atlantic St., Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. I. J. Yeo, Charlottetown, P.E.I.

MANITOBA—Dr. W. G. Campbell, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. W. Bramley Moore, 207 Alexandra Block, Edmonton, Alta.

SASKATCHEWAN—Dr. J. G. K. Lindsay, 415 Birks Bldg., Saskatoon, Sask.

BRITISH COLUMBIA—Dr. A. J. MacLachlan, 203 Medical-Dental Building, Vancouver, B.C.

The Registrar for Newfoundland is Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

COURSES OF INSTRUCTION

ANATOMY

Robert Reford Professor and Chairman of the Department.....C. P. MARTIN
Associate Professor of Histology.....C. P. LEBLOND
Assistant Professors of Anatomy...D. S. FORSTER, S. M. FRIEDMAN
Lecturer in Anatomy.....E. WALTER WORKMAN
Sessional Lecturer in Anatomy.....R. M. H. POWER
Teaching Fellow.....J. GROSS

REQUIRED COURSES

1 GROSS ANATOMY.

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the First Medical Year.

2. APPLIED ANATOMY.

One hour per week lecture and demonstration during the Winter and Spring terms of the Third Medical Year This course is conducted mainly by clinicians from the Royal Victoria and Montreal General Hospitals.

(Suspended for duration of the war.)

Text-books:—Gray's "Anatomy" (English Edition) or Cunningham's "Text-Book of Anatomy."

Practical Manuals:—Cunningham's "Manual of Practical Anatomy;" Johnston's "Synopsis of Regional Anatomy."

Optional Texts:—Quain, Piersal, Spalteholz Atlas, Fraser's "Anatomy of the Human Skeleton," Buchanan, Fraser and Robbins, Larsell, Ramson .

ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

3. ADVANCED NEURO-ANATOMY.

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton, assisted by Dr. Kershman. The class is limited to ten. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

4. PHYSICAL ANTHROPOLOGY.

Lectures and practical courses will be arranged for students when required.

MICROSCOPIC ANATOMY

REQUIRED COURSE

5. HISTOLOGY.

The study of the histological structure of the body. Two hours lectures and six hours laboratory work per week during the first 28 weeks of the First Medical Year.

Text-book:—Bailey, "Text-Book of Histology."

Optional Texts:—Cowdry, Lewis, and Bremer, Jordan, Maximow and Bloom (Schafer).

ELECTIVE COURSE

6. EXPERIMENTAL MORPHOLOGY.

Bi-weekly seminar. In this course current problems and discoveries in Experimental Morphology are discussed by members of the staff and graduate students.

EMBRYOLOGY

REQUIRED COURSE

THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY.

One hour per week lecture and three hours per week laboratory work during second half of the First Medical Year.

Text-book:—Arey, "Developmental Anatomy."

Optional Texts:—Jordan, Simkins, Bailey and Millar, Keith, Fraser.

PHYSIOLOGY

Joseph Morley Drake Professor and Chairman of the Department	H. E. HOFF
Research Professor	B. P. BABKIN (Post Retirement)
Associate Professor	N. GIBLIN
Assistant Professors	S. DWORKIN RONALD GRANT* KATHLEEN TERROUX
Lecturer	PETER KELLAWAY
Demonstrators	ARMINE ALLEY STEWARD R. COOPER R. F. TAYLOR

REQUIRED COURSES

1. FIRST YEAR LECTURES.

Tuesday, Thursday, Saturday, at 9 a.m. (beginning in October).

1P. FIRST YEAR LABORATORY.

Six hours a week during last 16 weeks.

Text-books:—

Systematic Physiology—Human.

Howell, Textbook of Physiology; Starling (and Evans), Human Physiology; MacLeod (and Bard), Physiology in Modern Medicine.

*On leave of absence.

Clinical Physiology.

Samson Wright, Applied Physiology; Wiggers, Physiology in Health and Disease: Best and Taylor, Physiological Basis of Medical Practice.

OTHER COURSES

(Available only for students who have obtained Honours in the Required Courses, and by application to the Chairman of the Department.)

3. ADVANCED LECTURES.

3P. ADVANCED LABORATORY

BIOCHEMISTRY

Professor and Chairman of the Department	D. L. THOMSON
Associate Professors	R. D. H. HEARD O. F. DENSTEDT
Assistant Professor	K. A. C. ELLIOTT
Sessional Lecturer	JUDITH COHEN

COURSES OFFERED IN BIOCHEMISTRY

FIRST YEAR

BIOCHEMISTRY 1. Mon., Wed., Fri., at 9 a.m. (beginning in October).

1L. Laboratory: Six hours a week October to February.

Drs. Thomson and Heard

Text-books:—Bodansky, "Introduction to Physiological Chemistry" (Wiley); Cameron, "Text-book of Biochemistry" (Macmillan); Williams, "Text-book of Biochemistry" (van Nostrand); Schmidt and Allen, "Fundamentals of Biochemistry" (McGraw-Hill); Mitchell, "Text-book of Biochemistry" (McGraw-Hill).

Other courses offered by the Department are listed in the Announcements of the Faculties of Arts and Science, and of Graduate Studies and Research.

PATHOLOGY

Strathcona Professor and Chairman of the Department	G. LYMAN DUFF
Associate Professor	THEO R. WAUGH
Assistant Professors	ROBERT H. MORE J. E. PRITCHARD
Lecturers	D. C. WILSON W. E. TORESON W. H. MATHEWS F. W. WIGLESWORTH
Demonstrators	W. E. FINKELSTEIN R. C. ROSS
Sessional Demonstrator	M. A. SIMON
Fellows	G. J. COLOVIRAS A. A. GORDON S. D. KOBERNICK J. D. RUBLEE

REQUIRED COURSES

1. COURSE IN GENERAL PATHOLOGY (Second Year).

   A. Two lectures per week (with epidiascopic and microscopic demonstrations) during the Winter and Spring terms (52 lectures).
   Professor Duff

   B. Two practical laboratory classes per week during the Spring Term (80 hours practical work).
   Dr. Toreson and Demonstrators

2. COURSE IN SPECIAL PATHOLOGY (Third Year).

   A. Two lectures per week during the Autumn, Winter and Spring Terms (72 lectures).
   Professor Duff, Professor Waugh, Professor More and Lecturers
   Lecturers.

   B. Two practical laboratory classes per week during the Winter and Spring Terms (96 hours practical work).
   Professor Duff and Staff

   C. One demonstration of gross pathological material per week to students in small groups of 15 each, during Autumn, Winter and Spring Terms (36 hours).
   Lecturers and Demonstrators

3. COURSE IN APPLIED PATHOLOGY (Third and Fourth Years.)

   A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter and Spring Terms (54 hours).....Professor Duff

   B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter and Spring Terms. Time according to material.
   Pathological Institute..... Professor Duff and Dr. Wilson
   Montreal General Hospital. . .Dr. Pritchard and Dr. Mathews
   Children's Memorial Hospital.....Dr. Wiglesworth

Text-books:—MacCallum, A Text-Book of Pathology (Saunders); Karsner, Human Pathology (Lippincott); Boyd, Text-Book of Pathology (Lea & Febiger); Muir, Text-Book of Pathology (Arnold); Moore, Text-Book of Pathology (Saunders);

Reference Books.

General:—Bell, Text-Book of Pathology (Macmillan); Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Forbus, Reaction to Injury (Williams & Wilkins); Reimann,

Kaufmann's Pathology (Blakiston); Smith & Gault, Essentials of Pathology (Appleton Century); Ewing, Neoplastic Diseases (Saunders); Willis, The Spread of Tumours in the Human Body (Churchill);

Special:—Naegeli, Blutkrankheiten und Blutdiagnostik, (Julius Springer); Whitby & Britton, Disorders of the Blood (Churchill);

Biggart, Pathology of the Nervous System (Livingstone);

Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders);

Novak. Gynæcological & Obstetrical Pathology (Saunders);

Geschikter & Copeland, Tumours of Bone (American Journal of Cancer);

Farber, The Post Mortem Examination (Charles Thomas); Mallory, Pathological Technique (Saunders); Saphir, Autopsy Diagnosis and Technique (Hoeber).

BACTERIOLOGY AND IMMUNOLOGY

Professor and Chairman.....E. G. D. MURRAY
Professor.....FREDERICK SMITH
Assistant Professors.....C. D. KELLY, D. S. FLEMING, G. G. KALZ, J. W. STEVENSON
Lecturers.....J. DE VRIES, G. D. DENTON, D. S. NUNES
Demonstrator (Teaching Fellow).....M. J. KAHNKE
Research Associate.....CATHERINE MACPHERSON

COURSES

All lectures and laboratory courses are given in the Department of Bacteriology (Pathological Institute).

1. ELEMENTARY MEDICAL BACTERIOLOGY AND IMMUNOLOGY.

   30 Lectures and 63 hours practical work commencing September, 1st Medical Term 2nd Year.

   Available to Medical students on the satisfactory completion of their studies in Anatomy, Physiology, Histology and Biochemistry.

2. APPLIED MEDICAL BACTERIOLOGY AND IMMUNOLOGY AND THE PROCESSES OF INFECTIOUS DISEASES.

   20 Lectures and 40 hours of demonstrations commencing November 15th, 2nd Medical Term 2nd Year.

3. BACTERIOLOGY AND IMMUNOLOGY for Honours B.Sc. Degree.

The class is limited in size and priority is given to Honours students in their fourth year. Students in the Faculty of Graduate Studies are admitted only if they have suitable qualifications and if there are vacancies.

77 Lectures and 308 hours practical work with 50 hours discussion periods throughout the year (3 full courses). Biochemistry 5 (Lectures only) is compulsory. One other course is to be selected by the students.

Students must provide themselves with microscopes; these can be hired from the Purchasing Department.

4. ELEMENTARY BACTERIOLOGY. One full course.

43 Lectures and 81 hours of practical work.

Available to the students of the Faculty of Arts and Science and to Graduate Students.

Students must provide themselves with microscopes; these can be hired from the Purchasing Department.

5. DENTAL BACTERIOLOGY AND IMMUNOLOGY.

30 Lectures and 60 hours practical work. Time to be arranged with the Dental Faculty.

Available to Dental students in their second year.

6. BACTERIOLOGY AND IMMUNOLOGY for the M.Sc. Degree.

7. APPLIED PUBLIC HEALTH BACTERIOLOGY AND IMMUNOLOGY.

Available to Medical students in their second and third years in association with the Department of Health and Social Medicine.

8. APPLIED BACTERIOLOGY FOR GRADUATE NURSES. (CERTIFICATE COURSE).

22 Lectures and 19 hours practical work. Available only to students in the School of Graduate Nurses commencing October to December in the First Term.

9. PUBLIC HEALTH BACTERIOLOGY AND IMMUNOLOGY.

Available to Post Graduate students for the Diploma or Master's Degree in Public Health. In association with the Department of Health and Social Medicine.

10. SEMINARS ON APPLIED BACTERIOLOGY IN RELATION TO PARTICULAR NURSING PROBLEMS (DEGREE COURSE).

14 periods of 2 hours commencing January for 14 weeks in the second Term. Available only to nurses taking the Degree Course and on the successful completion of Course 8. Limited to 20 students.

Text-books:—Hans Zinsser and G. Bayne-Jones, Textbook of Bacteriology (Appleton); R. Muir and J. Ritchie, Manual of Bacteriology (Oxford University Press); R. T. Hewlett and James McIntosh, Manual of Bacteriology (Churchill); T. J. Mackie and J. E. McCartney, Practical Bacteriology (Livingstone); J. W. Bigger, Handbook of Bacteriology (Bailliere Tindall & Cox); Hans Zinsser, Resistance to Infectious Diseases (Macmillan); W. W. C. Topley and G. S. Wilson, The Principles of Bacteriology and Immunity (Edward Arnold & Co.); W. W. C. Topley, An Outline of Immunity (Arnold); M. Langeron, Precis de Microscopie (Masson & Cie); D. H. Bergey, Manual of Determinative Bacteriology (Williams & Wilkins); E. O. Jordan and W. Burrows, Text-Book of Bacteriology (Saunders); Frederick P. Gay, Agents of Disease and Host Resistance (C. C. Thomas); N. P. Sherwood, "Immunology" (Mosby Co.); H. Zinsser, J. F. Enders, L. D. Fothergill, "Immunity Principles and Application in Medicine and Public Health" (Macmillan Co.); R. W. Fairbrother, A Text-book of Medical Bacteriology (W. Heineman, Ltd.); R. J. Dubos, "The Bacterial Cell" (Harvard University Press); K. Landsteiner, "The Specificity of Serological Reactions" (Harvard University Press); F. M. Burnet, "Virus as Organism" (Harvard University Press).

PARASITOLOGY

Professor and Chairman of the Department . . . . . T. W. M. CAMERON

Assistant Professor . . . . . M. J. MILLER

Lecturers . . . . . E. MUNROE, L. P. E. CHOQUETTE

REQUIRED COURSES

SECOND YEAR

2A. HUMAN PARASITOLOGY.—This course on the animal parasites of man (protozoa, helminths and arthropods) comprises about 50 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics and pathogenesis as well as to the more important animal vectors of disease. Exotic forms are more briefly discussed. In the practical class, each student examines all the important species as well as the lesions caused by them.

First term—Two lectures and one laboratory period per week.

ELECTIVE COURSES.—The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers didactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research).

Text-book:—Cameron, T. W. M., "The Parasites of Man in Temperate Climates" (*2nd edition*).

HEALTH AND SOCIAL MEDICINE

Strathcona Professor and Chairman of the Department	R. P. VIVIAN
Assistant Professors	C. W. MACMILLAN
	D. C. BEWS
Lecturers	R. VANCE WARD
	BARUCH SILVERMAN
	MARION WALL
	GRAHAM ROSS
	I. M. RABINOWITCH
	W. H. CRUICKSHANK
	H. E. BURKE
Demonstrator	AGNES M. FERENCZ

The instruction in Health and Social Medicine given to the medical undergraduates is designed to meet the requirements of the practitioner in Medicine. The importance of the subject is kept before the student throughout his course. Particularly stressed are the needs and opportunities in preventive medicine, and its social implications.

It is the aim of the Department to correlate the teaching of preventive medicine with the teaching of other departments in their special fields.

In First Year, Medical Sociology is the main subject. This leads to a presentation of the historical and contemporary background, and of the development of the public health system; the various plans for medical care are discussed.

The Second Year curriculum comprises didactic lectures, group work and field trips. The subjects cover Sanitation, Water, Milk and Food Control, Nutrition, Medical Statistics, and the Control of Communicable Diseases.

In Third Year, the hygienes are introduced, and students see the practical application of the lectures by means of field trips to tuberculosis and venereal disease clinics, industrial plants, pre-natal, infant and school hygiene services, the care of the aged, and the operation of the Student Health Service. In Third Year also are given lectures in Medical Jurisprudence and Industrial Toxicology.

In Fourth Year, it is hoped to maintain still closer contact with the students through small seminar groups, special studies, etc.

References:—Smillie, Mustard, Rosenau, Bradford-Hill.

PHARMACOLOGY AND THERAPEUTICS

Professor and Chairman of the Department . . . . . R. L. Stehle
Associate Professor of Therapeutics . . . . . D. S. Lewis
Associate Professor of Pharmacology . . . . . K. I. Melville
Assistant Professor of Pharmacology . . . . . A. M. Fraser
Lecturer in Therapeutics . . . . . W. de M. Scriver

PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

Required Courses

1A. Pharmacology. The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Three lectures a week during the Winter Term supplemented by one conference and one demonstration a week. Second Year.

The conference groups are limited to four students each.
Professors Stehle, Melville and Fraser

1B. Pharmacological Laboratory. The experiments are chosen to illustrate the lecture course.

Two periods (six hours) a week during the Winter Term. Second Year. Professors Stehle, Melville and Fraser

THERAPEUTICS

The teaching of therapeutics will be closely linked with that of medicine.

Required Courses

2. Pharmacy and Prescription Writing. Five lectures and five laboratory periods. Dr. Scriver

3A. Therapeutics: Didactic Instruction. A series of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

3B. Therapeutics: Theatre Lectures. Fifteen clinical lectures to be given in the hospitals during the year in conjunction with the teaching of the Department of Medicine. Dr. Lewis and Associates

Text-books in Pharmacology. Cushny, Sollmann, Clark, Thienes. *Text books in Therapeutics*, Beckman, Lyon, Reiman, Goodman and Gilman.

Options

Suitably prepared students may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

MEDICINE

Professors	G. R. Brow J. S. L. Browne L. C. Montgomery
Associate Professors	E. H. Mason, E. S. Mills, I. M. Rabinowitch
Assistant Professors	C. C. Birchard, K. A. Evelyn, Neil Feeney, M. Hoffman, J. Keith Gordon, Bram Rose, J. Kaufmann, D. S. Lewis, H. S. Mitchell, J. H. Palmer, J. F. McIntosh, W. de M. Scriver, C. G. Sutherland, C. J. Tidmarsh,
Lecturers	L. J. Adams, Michael Aronovitch, C. S. Barker, R. C. Bennetts, E. H. Bensley, J. O. W. Brabander, H. E. Burke, G. A. Copping, R. A. Cleghorn, A. F. Fowler, G. W. Halpenny, W. H. D. Hill,

Lecturers (Contd.): J. G. Howlett, W. R. Kennedy, Louis Lowenstein, J. F. Meakins, D. L. Mendel, H. N. Segall, McIver Smith, A. T. Thom, S. R. Townsend, R. Vance Ward, H. P. Wright.

Demonstrators: D. Barza, F. M. Bourne, Wm. Cohen, H. I. Cramer, B. R. Cuddihy, W. W. Eakin, Alec Gordon, Guy Hamel, R. G. M. Harbert, A. W. Lapin, H. E. MacDermot, R. D. McKenna, W. G. McLellan, S. Ortenberg, Basil Robertson, C. B. Smith, G. E. Wight.

DERMATOLOGY

Clinical Professors: J. F. Burgess, L. P. Ereaux

Lecturers: F. Kaltz, D. S. Mitchell, B. Usher

CLINICAL THERAPEUTICS

Associate Professor: D. S. Lewis

Assistant Professor: C. W. Fullerton

Lecturers: W. de M. Scriver, Guy Fisk (*Physiotherapy*)

TOXICOLOGY AND MEDICAL JURISPRUDENCE

A series of twenty-four lectures and demonstrations.

Professor Rabinowitch

Toxicology: 1. Definitions; 2. Occurrence of Poisoning—Accidental (Food. Industrial. Clothes and Cosmetics. Patent Medicines. Therapeutic. Other). Suicidal. Homicidal. 3. Mode of Action of Poisons: Modifying Causes—Form. Amount. Mode of Entry into

Body. Age. Habit. Sleep. Physical Condition of Subject. Idiosyncracy. Other. 4. CLASSIFICATION OF POISONS. 5. ACUTE POISONING: Diagnosis—Similarity Between Poisoning and Disease. General Evidence of Poisoning. Rules for Diagnosis. TREATMENT: Principles. General Treatment. Antidotes—Limitations. 6. LEGAL: Control of Poisons—Dangerous Drugs Acts and Regulations. Relation of Doctor to Pharmacist. Administration of Noxious Drugs. Narcotics. 7. MEDICO-LEGAL CONSIDERATIONS IN CASES OF POISONING: Accident. Suicide. Murder. Duty of Doctor—In Suspected Cases. In Known Cases. Post-mortem examinations in Cases of Poisoning.

Medical Jurisprudence: A. *1.* INTRODUCTION: Definitions—Law. Medicine. Forensic Medicine. 2. LEGAL POSITION OF DOCTORS. 3. OBLIGATION OF DOCTOR TO THE STATE: Medical Notifications and Certifications—Births. Stillbirths. Infectious Diseases. Deaths. Other. 4. RESPONSIBILITIES TO PATIENT: Implied and Expressed Contracts. Professional Secrecy. Privileged Communications. Medico-legal Aspects of Physical Examinations—Consent. 5. MALPRACTICE: Civil. Criminal. Negligence. Contributory Negligence. Errors of Commission. Consultations. Responsibility for Assistants. "Reasonable Care and Judgment". B. LEGAL CRIMINAL PROCEDURE: 1. INVESTIGATION OF SUDDEN DEATHS AND DEATHS FROM UNNATURAL CAUSES—Coroner's Court. 2 MEDICAL EVIDENCE IN COURTS OF LAW: *a.* Documentary. *b.* Oral. *c.* Experimental. 3. GENERAL RULES OF CONDUCT FOR MEDICAL WITNESSES: Professional Secrecy. Privileged Communications. Precognitions. Fees. C. MEDICO-LEGAL ASPECTS OF DEATH: 1. Signs of Death. 2. Apparent Death. 3. Proximate Causes of Death. 4. Sudden Death. 5. Presumption of Death—Presumption of Survivorship. 6. Medico-Legal Forms of Death. 7. Post-Mortem Examinations for Medico-Legal Purposes. 8. Identification of the Dead. D. PERSONAL IDENTITY IN ITS MEDICO-LEGAL BEARINGS: For Civil Purposes. For Criminal Purposes. Mistaken Identity. E. BLOOD STAINS: Medico-legal information from Blood Stains. Blood Grouping. F. WOUNDS: 1. Legal Definition. 2. Types. 3. Medico-legal Examination of a Wounded Person. 4. Causes of Death from Wounds: 5. Wounds after Death. G. MEDICO-LEGAL ASPECTS OF PREGNANCY. H. ABORTION: Duty of Doctor in Cases of Suspected Criminal Abortion and in Cases of Known Criminal Abortion. I. IMPOTENCE AND STERILITY. J. RAPE. K. INFANTICIDE. L. MENTAL UNSOUNDNESS: Medical Certification of the Insane. Protection of Certifying Physicians. Admission of Voluntary Patients to Institutions for the Insane. M. DRUNKENNESS: 1. Dianosis: Clinical. Chemical. 2. Medico-legal Aspects—Civil. Criminal.

Text and Reference Books:—Buchanan's Text Book of Forensic Medicine and Toxicology. Medical Jurisprudence and Toxicology—Glaister. Forensic Medicine—Kerr. Forensic Medicine—Littlejohn. Legal Medicine and Toxicology—Gonzales, Vance and Helpern. Toxicology—

McNally. Forensic Medicine—Sydney Smith. Recent Advances in Forensic Medicine—Sydney Smith and Glaister. Taylor's Principles and Practice of Medical Jurisprudence.

THE CURRICULUM IN THE DEPARTMENT OF MEDICINE

Foreword

The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students, teachers and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and clinical lectures are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

Required Courses

Second Year

Course II 1—*Integration of Physiology, Biochemistry and Anatomy with Medicine.*

Time—Last term of Second Year—Two lectures a week and one amphitheatre clinic.

Place—Medical Building. Montreal Neurological Institute Theatre.

Subject Material—This course covers in a systematic manner the deviations from the normal of the physiological and biochemical functions. These are correlated so as to explain symptoms and signs which may be found on physical examination as detected by clinical methods dealt with in Course II 2. This course follows a chronological order from birth to old age and is so interpreted as to give the student a panoramic view of these disturbances with a proper perspective. Professors ———— and Browne.

Course II 2—*A Practical Course in Clinical Methods.*

Time—Last term of Second Year.

Place—Outpatient Dept. of the Royal Victoria and the Montreal General Hospitals.

Subject—Practical instruction 4 hours a week on Normal and Abnormal Physical Signs and one amphitheatre clinic.

Course II 3—*Laboratory Diagnosis.*

Time—Last term of Second Year.

Place—Medical Building.

Subject—Instruction and practice 2 periods a week in microscopy as applied to clinical medicine.

Asst. Prof. McIntosh and Assistants

THIRD YEAR

Course III 4—*Amphitheatre Clinics in General Medicine.*

Time—Once weekly throughout year.

Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

Course III 5—*Bedside Clinics and Practical Demonstrations.*

Time—Twice weekly during the medical trimester.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.

Course III 6—*Clinico-Pathological Conference*

Time—Weekly during the medical trimester.

Place—The Royal Victoria and the Montreal General Hospitals.

Course III 7—*Case Reporting.*

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope and have access to all other Laboratory and X-Ray findings.

Course III 8—*A Practical Course in Diseases of Metabolism.*

Time—Weekly during the medical Trimester.

Place—Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting Medicine.

Fourth Year

Course IV 9—*Amphitheatre Clinics in General Medicine.*
Time—Once a week throughout year.
Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating more complicated cases as compared to the third year.

Course IV 10—*Bedside Clinics and Practical Demonstration.*
Time—Twice weekly during medical quarter.
Place—Wards of the Royal Victoria and the Montreal General Hospitals.

Course IV 11—*Clinico-Pathological Conference.*
Time—Once a week during medical quarter.
Place—Royal Victoria and the Montreal General Hospitals.

Course IV 12—*A systematic course of lectures designed to give a general survey of laboratory procedures and their interpretation.*

Course IV 13—*Clinical Therapeutics—practical bedside instruction.*
Time—Once a week during the medical quarter.
Place—Royal Victoria and the Montreal General Hospitals.

Course IV 14—*A Course of Lectures in Medicine.*
Time—One period a week throughout year.
Place—Medical Building.

Subject—Lectures in General Medicine to give a panorama of the subject. Professor ———— and assistants

Course IV 15—*A course of lectures in Dermatology.*
Time—One period a week throughout the year.
Place—Medical Building.

Subject—Lectures in Dermatology and Syphilology.

Course IV 16—*Dermatology and Syphilology—practical instruction.*
Time—Twice a week during one quarter.
Place—Montreal General and Royal Victoria Hospitals.

Text and Reference Books

Clinical Methods and Physical Diagnosis:—Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Major, "Physical Diagnosis"; Murray, "Examination of the Patient"; Gradwohl, "Clinical Laboratory Methods and Diagnosis"; Hutchison and Hunter, "Clinical Methods"; Cabot & Adams, "Physical Diagnosis"; Department of Medicine, McGill University, "Guide to Medical Case Reporting".

General Medicine:—McLeod, "Physiology in Modern Medicine"; Best and Taylor, "Physiological Basis in Medical Practice"; Meakins, "Practice of Medicine"; Cecil, "Text Book of Medicine"; Davis, "Cyclopedia of Medicine"; White, "Heart Disease"; Norris and Landis, "Diseases of the Chest"; Eusterman and Balfour, "Stomach and Duodenum"; Hurst and Stuart, "Gastric and Duodenal Ulcer"; Joslin, "Diabetic Manual"; "Treatment of Diabetes Mellitus"; McLester, "Nutrition and Diet in Health and Disease"; Peters and Van Slyke, "Quantitative Clinical Chemistry"; Vol. I, Interpretations; Kurzrok, "The Endocrines in Obstetrics and Gynæcology"; "Pharmacopœa of the Teaching Hospitals".

Dermatology:—Walker, "Introduction to Dermatology"; MacLeod, "Diseases of the Skin"; Sutton and Sutton, "Diseases of the Skin"; Ormsby, "Diseases of the Skin".

PSYCHIATRY

Professor and Chairman	D. E. CAMERON
Assistant Professors	R. A. CLEGHORN
	F. R. HANSON
	R. B. MALMO
	A. E. MOLL
	MIGUEL PRADOS
	G. E. REED
	BARUCH SILVERMAN
	KARL STERN
Lecturers	MILTON GRAY
	A. A. MCKAY
	T. E. DANCEY
Demonstrators	J. BEAUBIEN
	H. HERSHON
	LLOYD HISEY
	H. LEHMAN
	C. A. SKITCH
Research Associate	EDRITA FRIED

FOREWORD

Instruction in human behaviour is given in all four years. Emphasis is placed upon the personality factor in all forms of illness. Consequently, teaching is carried on in close relation with other aspects of medicine. It is planned to take full advantage of the teaching facilities not only of the Institute but of the wards and out-patient departments of the Royal Victoria Hospital and of the Montreal General Hospital.

Special prominence is given to those psychological and personality situations which the student will meet after graduation in his day to day teaching. Instruction in military psychiatry and in child psychiatry is given in the final years.

Required Courses

1. Psychobiology—A course of twelve lectures will be given in the first year. In this course, the various aspects of human behaviour will be stressed, with special reference to their relationship to medicine. Dr. Cameron
2. Psychiatry—Eighteen lectures on the basis behavioral disorders will be given. During the second year both those disorders which require hospitalization and those which can be dealt with on an ambulant basis will be considered. Dr. Reed and Assistants
3. 70 hours of clinical instruction will be given during the third year. This instruction will be held primarily on the wards of the teaching hospitals and in the Out Patient Departments. Drs. Hanson, Prados, Moll, and Dancey
4. A course of eight lectures will be given on child psychiatry during the fourth year. Dr. Silverman
5. Clinical demonstrations, out-patient instruction and ward rounds will be held during the fourth year. Certain of these will be devoted to early behavioral disturbances, psychosomatic and toxic states, and drug addictions. Drs. Cameron, Stern and MacKay
6. Instruction will be given in adult out-patient psychiatry in the Psychiatric Outdoor Department in the Royal Victoria Hospital, and in child out-patient psychiatry at the Mental Hygiene Institute. Drs. Prados and Silverman
7. Instruction in the care of long term cases, and institutional psychiatry, will be given at the Allan Memorial Institute and Verdun Protestant Hospital. Drs. Reed, Skitch and Lehman

PAEDIATRICS

Associate Professor and Chairman	Alton Goldbloom
Associate Professors	S. G. Ross L. M. Lindsay
Assistant Professors	H. L. Bacal, A. K. Geddes Alan Ross
Lecturers	P. N. MacDermot Jessie Scriver
Demonstrators	B. Benjamin, H. Friedman-Brickman, R. L. Denton, S. I. Doubilet, D. Klein, A. Lax, Frances McCall, D. R. McCrimmon, J. H. O'Neill, F. Shippam, Cameron Stewart, S. J. Usher, E. M. Worden, Isobel Wright

Required Courses

1. Lectures:

   (a) An Introductory course of 10 lectures in the winter term of the second year covering physical and intellectual development of the infant and child, the bases of nutritional requirements of the growing child mineral and water metabolism, the embryology of congenital defects.

   (b) A series of 36 lectures once weekly during the third year designed to cover the various aspects of Diseases of Children; Nutrition, Hygiene, Infections, Communicable Diseases, Preventive Medicine etc. Professor Goldbloom and Staff

2. Diseases of the Newborn: Royal Victoria Maternity Pavilion.

   A weekly clinic-demonstration to groups of students of the third year during their obstetrical quarter.
   Professors Goldbloom and G. Ross, Drs. Geddes, A. Ross, Scriver and Worden

3. Clinical Paediatrics:

   (a) During the third year the class is divided into groups, each group devoting the mornings of six weeks to Clinical instruction at the Children's Memorial Hospital.

   (b) Groups during the final year will spend four weeks entirely at the Children's Memorial Hospital as clinical clerks under tutors—3 or 4 students to each tutor. Work will be divided between the wards and the out-patients department.
   Professors Goldbloom, G. Ross, Lindsay and Staff

   (c) Care and feeding of the normal infant, immunization procedures, preventive paediatrics; Child Welfare Clinics.
   Drs. Scriver, Usher, Doubilet, Benjamin

   (d) Infectious Diseases.
   A series of demonstrations to groups of students on the common infectious diseases is given at the Alexandra Hospital as part of the instruction of the final year. Drs. Worden, C. Stewart

Text-books: Holt and McIntosh, "Diseases of Infancy and Childhood"; Mitchell and Nelson, "Diseases of Infants and Children"; Porter and Carter, "Management of the Sick Infant and Child"; Brown and Tisdall, "Common Procedures in Paediatrics"; Smith, "Physiology of the New Born Infant"; Goldbloom. "Care of the Child".

Reference Books: Brenneman, "Practice of Paediatrics" (4 volumes); Parsons and Barling, "Diseases of Infancy and Childhood" (2 volumes); Langdon, "Home Guidance for Young Children"; Abt's "Paediatrics" (8 volumes); Still, "Common Disorders and Diseases of Childhood"; John Thomson, "Clinical Study and Treatment of Sick Children"; Von Reuss, "Diseases of the New Born." Gesell, "The Embryology of Behaviour"; Patten, "Human Embryology".

DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

Professor of Neurology and Neurosurgery, Chairman of Department	Wilder Penfield
Associate Professor of Neurosurgery	William Cone
Associate Professor of Neurology	Donald McEachern
Clinical Professor of Neurology	F. H. Mackay
Assistant Professors of Neurology	K. A. C. Elliott
	Francis McNaughton
	Arthur W. Young
Assistant Professor of Neurosurgery	Arthur Elvidge
Assistant Professor of Neurological Radiology	D. L. McRae
Asst. Professor of Neurophysiology	Herbert Jasper
Lecturers in Neurology	John Kershman
	J. Preston Robb
Lecturer in Neurosurgery	T. R. Rasmussen
Demonstrator in Neurology	A. A. Bailey
Demonstrator in Neuropathology	H. Steelman
Demonstrators in Neurosurgery	W. K. Welch
	H. W. Elliott
Fellows of the Montreal Neurological Institute	John Bates, Jacob Chandy
	Arlindo Conde
	David Daly
	William F. Gerber
	Clarence Greene*
	Lloyd G. Hisey
	Bruce C. Holman
	John Hunter
	Andrew Kelen
	Robert Knighton**
	Kristian Kristiansen
	Choh-luh Li
	Gabriel Mazars***
	Francis H. O'Brien
	Eduardo Palma
	Josef Pavrovsky*
	Reuben Rabinovitch
	T. R. Rasmussen
	Norman Sloan
	Thomas J. Speakman****
	Donald B. Tower
	J E. Ziegler

*Rockefeller Fellowship
**U.S. National Research Council Fellowship
***Travelling Fellowship, French Government
****National Research Council Fellowship

Outline of Courses, 1947-48

Second Year

2A. *Clinical Neuroanatomy and Neurophysiology. 4 lectures.* Department of Medicine.
Assistant Professor McNaughton

2B *Physical Examination of the Nervous System.* 2 theatre clinics. Department of Medicine (1 at M.G.H., 1 at R.V.H.).
Clin. Professor F. H. MacKay

2C (*Anatomy 7*) *Neuroanatomy.* Lectures and Laboratory. Department of Anatomy.
Assistant Professor McNaughton and Dr. Bailey

Third Year

3A *Survey of Neurology and Neurosurgery.* 24 lectures. Saturdays, 8:45—9:40, Sept. 7—Mar. 1. M.N.I. Amphitheatre.
Professor Penfield and Assistant Professor McNaughton

Fourth Year

4A *Neurological and Neurosurgical Clinics.* 20 theatre clinincs. Saturdays, 9:45—10:45, Nov. 2—Mar. 29. M.N.I. Amphitheatre.
Associate Professor Cone and Assistant Professor McEachern

4B-1 *Neurological O.P.D.* R.V.H. Outpatient Department. Monday and Thursday*, 2:00—3:00.
Assistant Professor McEachern and assistants

4C-1 *Neurology Ward Classes.* Department of Medicine. Wednesdays, 8:45—9:45 (R.V.H. group).
Assistant Professor McEachern

4B-2 & 4C-2 *Combined Neurological O.P.D. and Ward Classes.* M.G.H. Mondays *and* Fridays, 2:00—3:00 (M.G.H. group).
Clinical Professor F. H. Mackay and assistants

4D-1 *Neurosurgery Ward Classes.* Department of Surgery. M.N.I. (R.V.H. group). Mondays, 1:00—2:00.
Associate Professor Cone

4D-2 *Neurosurgery Ward Classes.* Department of Surgery. M.N.I. (M.G.H. group). Thursdays, 2:00—3:00.
Assistant Professor Elvidge

4E-1 *Neurology Seminar.* R.V.H. Outpatient Department. Tuesdays, 3:45—4:45.
Assistant Professor McNaughton

4E-2 *Neurology Seminar.* M.G.H. Outpatient Department. Fridays, 3:00—4:00.
Assistant Professor McNaughton

*Two Thursdays per month only.

ELECTIVE COURSES.

I. *Seminar in Neuroanatomy.* M.N.I. 4 hours weekly (12 weeks). Lectures and construction of brain model. Two evenings, beginning in November.

Assistant Professor McNaughton and Dr. Kershman

II. *Seminar in Neurophysiology.* M.N.I. 3 hours weekly (12 weeks). Laboratory demonstrations, lectures and discussions. Mondays, 5-6 and 8-10 P.M., beginning in February.

Assistant Professor Jasper

III. *Colloquium in Clinical Neurology.* 2 hours weekly. Clinics and lectures, Wednesdays, 5 P.M.

Assistant Professor McEachern

IV. *Colloquium in Neurosurgery and Electroencephalography.* M.N.I. 1 hour weekly. Fridays, 4 P.M. (10 months).

Professor Penfield and Assistant Professor Jasper

SURGERY

Professor and Chairman of the Department ..... G. GAVIN MILLER

Professor ..... FRASER B. GURD

Associate Professors ..... J. C. ARMOUR, H. M. ELDER, R. R. FITZGERALD, D. E. ROSS, A. L. WILKIE

Assistant Professors ..... H. L. DAWSON, MERCIER FAUTEUX, C. M. GARDNER, J. C. LUKE, C. A. MCINTOSH, D. W. MACKENZIE, JR., L. H. MCKIM, S. J. MARTIN, H. S. MORTON, H. F. MOSELEY, ALBERT ROSS, P. G. ROWE, A. J. STEWART

Lecturers ..... H. A. BAXTER, S. G. BAXTER, H. S. DOLAN, JOHN GERRIE, MARK KAUFMANN, G. D. LITTLE, E. A. MCNAUGHTON, H. G. PRETTY, A. M. VINEBERG, D. R. WEBSTER

Demonstrators ..... F. D. ACKMAN, A. R. BAZIN, E. H. CAYFORD, E. M. COOPER, W. M. COUPER, G. A. HOLLAND, C. K. MCLEOD, W. W. RUDDICK, J. C. SUTTON

ORTHOPAEDIC SURGERY

Assistant Professors: J. G. Petrie, J. G. Shannon

Demonstrators: S. E. Goldman, J. A. L. Walker, W. G. Breckenridge

UROLOGY

Clinical Professors: R. E. Powell, E. S. Smith

Lecturers: A. B. Hawthorne, S. A. MacDonald, R. G. Reid, M. I. Seng

Demonstrators: J. T. MacLean, Max Ratner, Alex. Strasberg, A. M. J. Tanney

Required Courses

Second Year

Surgical teaching begins in the spring term (16 weeks) of the Second Year. In this year special attention is directed to the instruction and training of the student, in proper methods of physical examination, from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

2A. *A course of lectures* (16) covering the history of Surgery and an introduction to the study of surgical diseases. This course includes five lectures on "First Aid."

2B. *Group classes* in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

Third Year

The student comes into a more intimate contact with the patients, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, and assists at operations.

*3A. *Amphitheatre Clinics and Demonstrations* in the Montreal General and Royal Victoria Hospitals, two days a week throughout the year.

3B. *Group Ward classes* in the Montreal General and the Royal Victoria Hospitals, three times a week during the term.

3C. *Case Reporting.* Patients are allotted to students who act as reporters, dressers, and assistants at operations.

FOURTH YEAR

*4A. *Amphitheatre Clinics and Demonstrations* in the Montreal General and Royal Victoria Hospitals alternately, once a week throughout term.

4B. *Group Ward Classes and Ward rounds* in the Montreal General and Royal Victoria Hospitals, four times a week during the surgical quarter.

4C. *Case Reporting*

4D. *Clinico-Pathological conferences* once a week during the term, jointly with the Department of Pathology, at the Montreal General and Royal Victoria Hospitals.

SURGICAL DISEASES OF CHILDREN.—Instruction in the surgical diseases of children is given during the trimester in which the students are assigned to pædiatrics at the Children's Memorial Hospital, as follows:—

4A. *Amphitheatre Clinics* once a week throughout trimester.

4B. *Group Ward Classes* three times a week throughout trimester.

ORTHOPAEDIC SURGERY

FOURTH YEAR

4A. *Clinical Lectures.* A course of 8 lectures given at the hospitals.

4B. *Ward Classes* at the Montreal General and Royal Victoria Hospitals, once a week during the surgical trimester.

4C. *Group Classes in the Out-door Department* of the Montreal General and Royal Victoria Hospitals, twice a week during the surgical trimester.

ANAESTHESIA.—Instruction in anæsthesia is given by the Department of Pharmacology and Clinical Therapeutics. Students are given practical instruction in the administration of anæsthetics, during their surgical trimesters in the Third and Fourth Years at the Montreal General and Royal Victoria Hospitals.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology and Bacteriology.

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*Amphitheatre Clinics 3A and 4A are so arranged that all surgical subjects are presented during the two year course.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

UROLOGY

SECOND YEAR

2A. *Clinical Urology*

Group classes, 4 demonstrations, in which instruction in methods of Urological examination is given in the Montreal General and Royal Victoria Hospitals.

(See Surgery—2B).

FOURTH YEAR

4A. *Clinical Lectures*—a course of theatre clinics in each of the hospitals.

4B. *Urological Clinics*—Ward Classes

The Montreal General Hospital—3 classes a week.
Royal Victoria Hospital—3 classes a week

4C. *Case Reporting in Urological Wards.*

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics and demonstrations and group teaching in the wards and out-patient departments of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

Text-books:—

1. *General Surgery:* John Homans, "A Text-book of Surgery"; Choyce, C. C., "A System of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery"; Christopher; Cole and Elman; Romanis and Mitchener; Handfield, Jones and Porrett, "The Essentials of Modern Surgery"; Rose and Carless, "Manual of Surgery"; Berman's Synopsis of Principles of Surgery; Pack and Livingston's "Treatment of Carcinoma"; Christopher's "Minor Surgery".

2. *Emergency Surgery:* Sluss, John W., "Manual of Emergency Surgery"; Cole & Puestow, "Advanced First Aid".

3. *Surgical Anatomy:* McGregor, "Synopsis of Surgical Anatomy"; Treves, "Surgical Applied Anatomy".

4. *Fractures and Dislocations:* Scudder, Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations"; Magnuson's "Fractures"; Stimson's "Manual of Fractures and Dislocations"; Wilson's "Management of Fractures"; Key and Conwell's "Fractures and Dislocations"; Watson Jones "Fractures and other Bone and Joint Injuries"; Key and Conwell, "Fractures, Dislocations and Sprains".

5. *Case Reporting:* White, J. Renfrew, "The Clinical Examination of Surgical Cases"; Geckeler's "Fractures and Dislocations."

6. *Urology:* Eisendrath and Rolnick's "Urology"; Herman's "Practice of Urology"; Hinman's "Principles and Practice of Urology"; Keyes and Ferguson's "Urology"; Young's "Practice of Urology"; Le Comte's Manual of Urology.

7. *Orthopædic Surgery:* Whitman's "Orthopædic Surgery"; Jones, "Orthopædic Surgery of Injuries"; Jones and Lovett, "Orthopædic Surgery"; Mercer's "Orthopædic Surgery"; Willis Campbell's "Orthopædic Operations"; Sever's "Handbook of Operative Surgery"; Steindler's "Orthopædic Operations".

DEPARTMENT OF ANAESTHESIA

Assistant Professor and Chairman . . . . WESLEY BOURNE

Assistant Professors . . . . . C. C. STEWART, F. A. H. WILKINSON

Lecturers . . . . . C. C. CARROLL, R. S. FERGUSON, H. R. GRIFFITH, W. C. STOCKWELL

Demonstrators . . . . . M. K. BELTON, J. J. KELLY, P. E. O'SHAUGHNESSY, A. M. TORRIE

UNDERGRADUATES

Students in Medicine, before their third year will have been introduced to the subject of Anæsthesia by the teachers in Anatomy, Biochemistry, Pharmacology and Physiology.

During the Third Year, ten lectures are given. All of these lead on from the academic to the clinical aspect. In these lectures sound motion pictures are shown. As time goes on, reading matter is prescribed.

At the end of the third year students are required to be certified as having fulfilled the requirements of the department.

In the final year each undergraduate student spends at least six days with an anaesthetist and acts as his assistant.

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

Professor and Chairman	N. W. Philpott
Associate Professor	A. D. Campbell
Assistant Professors	W. A. G. Bauld J. S. Henry G. C. Melhado G. A. Simpson
Lecturers	W. R. Foote P. J. Kearns K. T. MacFarlane G. B. Maughan I. Y. Patrick Eleanor Percival D. W. Sparling Clifford Ward (Sessional) George Strean
Demonstrators	J. E. Ayre, S. Gold, M. Hendelman H. T. Lyon J. L. Macarthur
A. A. Browne Fellow and Demonstrator	Grace Donnelly
Teaching Fellows	H. Oxorn Thomas Primrose
Research Fellow	J. H. Maloney

The entire course is arranged on the basis of imparting a practical knowledge of Obstetrics, Gynæcology and the Care of the New-born. The value of intimate contact with the patient in the normal and the pathological state is stressed.

The privilege of serving as an interne in the hospital for two weeks treating the patients from the time of admission till discharge from hospital is an ideal arrangement. Rooms are provided in the Women's Pavilion where the students may reside, in groups of six, during this period.

OBSTETRICS

Required Courses

Second Year

Sixteen lectures are given as an introduction to the subject. These lectures are relative to the anatomy and physiology of the genital tract. The physiology of pregnancy is also described. Professor Philpott.

Third Year

1. Thirty-five Clinical Conferences for all Third Year students. Wednesday 12:45 to 1:45 p.m., illustrating the more important Obstetrical conditions. Professor Philpott.

2. Nineteen lectures describe the physiology of labor and the puerperium. The major pathological lesions relative to parturition are described.
Senior Members of the Staff

3. Thirty demonstrations are given in Obstetrical palpation and on the manikin, with the aid of models, diagrams, lantern slides and moving pictures. Given by Members of the Staff

4. Clinical instruction for twelve periods in case-rooms and wards.
Given by Members of the Staff

5. Six lectures concerning early development of the embryo and the placenta. Given by Members of the Staff

6. Ten lectures or demonstration periods relative to the care of the Newborn. Professor Goldbloom and Professor Ross

FOURTH YEAR

1. Thirty-five Clinical Conferences for all Fourth Year students, Wednesday, 12:45 to 1:45 p.m., illustrating the more important Obstetrical conditions. Professor Philpott

2. General Ward Rounds held once a week are arranged to give a complete account of the work of the hospital. This is attended by those students in the current Obstetrical Course. Professor Philpott

3. Thirty lecture demonstrations are held in the Lecture Theatre or Case Room on the following subjects:

Normal Labour	Professor Philpott
Dystocia	Professor Melhado
Hæmorrhage	Professor Henry
Puerperal Infection	Professor Campbell
Toxæmia of Pregnancy	Dr. Patrick

4. Fourteen instructions periods chiefly concerning ante-natal care including conduct of pregancy, labour etc.
Given by Senior Members of the Staff

GYNAECOLOGY

1. Theatre clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals.
Professsors Philpott, Campbell and Staff

2. A special course on Gynæcological Pathology.
Drs. P. J. Kearns and Gold

3. Methods of Gynæcological examination, diagnosis and treatment in the outdoor departments.

4. A special course of instruction, once a week, through the year in the cancer clinic on methods of diagnosis and treatment of cancer, dealing especially with Radium and X-Ray.

Professor Bauld and Staff

Text and Reference Books

Obstetrics

(1) De Lee-Greenhill	Principles and Practice of Obstetrics.
(2) Stander	Text book on Obstetrics.
(3) Bland	Practice of Obstetrics.
(4) Miller, J.	Manual of Obstetrics.
(5) Appleton	Obstetrical and Gynaecological Monographs.
(6) Irving	Text book on Obstetrics.
(7) Beck	Obstetrical practice.
(8) Adair	Obstetrics.
(9) Scott and Van Wyck	The Essentials of Obstetrics and Gynaecology.

Gynaecology

(1) Curtis	Text book of Gynæcology and System of Gynæcology and Obstetrics.
(2) Ten Teachers	Diseases of Women.
(3) Monroe Kerr	Gynæcology.
(4) Goodall	Puerperal Infection.
(5) Crossen	Gynæcology.
(6) Kennedy, Campbell	Vaginal Hysterectomy.
(7) Novak	Text book of Gynæcology.

OPHTHALMOLOGY

Professor.....J. A. MacMillan

Associate Professor and Chairman of the Department.....Stuart Ramsey

Assistant Professor.....J. Rosenbaum

Lecturers.....K. B. Johnston, J. V. V. Nicholls, B. Alexander, R. J. Viger

Demonstrator.....L. S. S. Kirschberg

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses in the Third and Fourth Year of the Medical Course:—

THIRD YEAR

1. ROUTINE EXAMINATION OF THE EYE.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours..... Professor MacMillan and members of the Staff

2. LECTURE DEMONSTRATIONS TO ENTIRE CLASS.

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the Final Year.

Ten hours..... Professor MacMillan

FOURTH YEAR

CLINICAL OPHTHALMOLOGY.

This teaching is conducted in the Ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals. The class is divided into groups of ten, each group receiving twenty-five hours instruction. Ocular problems that are of greatest moment in general practice are discussed. This includes the external diseases of the eye, the main ophthalmological findings in systemic disorders, affections of the nervous system, and as far as possible a co-relation of the clinical and histological ocular changes.

Professor MacMillan and members of the Staff

Text-books:—May, Gifford, Parsons, Berens.

Reference books:—Duke-Elder.

OTO-LARYNGOLOGY

Associate Professor and Chairman of the Department..... D. H. BALLON

Associate Professor..... G. E. HODGE

Assistant Professors..... W. J. MCNALLY, K. O. HUTCHISON, G. E. TREMBLE, A. O. FREEDMAN

Lecturers..... E. E. SCHARFE, E. A. STUART

Demonstrators..... F W. SHAVER, W. CHAPIN, H. E. MCHUGH

Instruction in Oto-Laryngology is given to students of the third and fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

THIRD YEAR

A course of 10 demonstrations is given to students of the Third Year. These demonstrations deal with the normal anatomy of the ear, nose and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose and throat. Ward rounds are made to illustrate the pre- and post-operative methods of treatment.

Lecture Course:

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the œsophagus.

FOURTH YEAR

Ten clinical demonstrations are given in the out-patient departments and wards of the hospitals. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

Text and Reference Books:—Sir St. Clair Thomson: Diseases of the Nose and Throat; A. Logan Turner: Diseases of the Nose, Throat and Ear; Chevalier Jackson and G. M. Coates: The Nose, Throat and Ear and Their Diseases; Otology, Rhinology, and Laryngology (2nd Edition) H. C. Ballenger, Lea and Febiger, 1943; Chevalier Jackson: Bronchoscopy, Oesophagoscopy and Gastroscopy; D. H. Ballon: Chapters on Bronchoscopy and Oesophagoscopy in Surgical Diseases of the Chest by Evarts A. Graham, J. J. Singer, Harry C. Ballon.

RADIOLOGY

Associate Professor and Chairman of the Department . . . . . Carleton B. Peirce

Associate Professor . . . . . W. L. Ritchie

Assistant Professors . . . . . J. J. L. Bouchard, D. L. McRae, J. W. McKay

Demonstrators . . . . . A. C. McCurragh, G. I. Norton

First Year

In co-operation with the Department of Anatomy, demonstrations are given of the Roentgenologic anatomy of the skeletal, respiratory, gastrointestinal and urogenital systems, including fluoroscopic demonstrations of functional anatomy of joints, the thoracic viscera and the alimentary tract.

Associate Professor Peirce and Staff

Second Year

Introduction to Radiology

In co-operation with the Department of Medicine (Course II 2) as an introduction to special methods in Physical Diagnosis, the various means of Radiologic examination are demonstrated to small groups of students in the Montreal General Hospital and the Royal Victoria Hospital. The fluoroscopic and roentgenographic methods of study of the cardio-respiratory and gastro-intestinal systems especially are compared with the clinical means in physical examination

Associate Professor Peirce and Staff
Associate Professor Ritchie and Staff

Third Year

III Roentgen Pathology and Radiation Therapy:

A course of 20 lectures presenting the general features of rœntgen interpretation, systemic rœntgen pathology and the principles of rœntgen and radium therapy.

Associate Professors Peirce and Ritchie
Assistant Professors Bouchard, McRae and McKay

Fourth Year

IV-A Clinical Radiology:

(1) A course of six lectures on special clinical applications of rœntgen rays and radium radiation.

Associate Professors Peirce and Ritchie
and Members of the Staff

IV-A (2) Conference periods, two hours weekly each quarter during which the students in the several hospitals discuss clinical case material with the Members of the Department.

Children's Memorial Hospital—Asst. Professor McRae
Montreal General Hospital—Assoc. Prof. Ritchie
Asst. Prof. McKay and Staff
Royal Victoria Hospital—Assoc. Prof. Peirce
Asst. Prof. Bouchard and Staff

IV-A (3) Tumour Conference: The final year students attend Tumour or Neoplasm Conferences in the several teaching hospitals, wherein all means of diagnosis and treatment of malignant neoplasms, especially, are considered by representatives of all departments of the teaching staffs and their experience reviewed.

POST-GRADUATE INSTRUCTION.

Post-graduate training prerequisite to certification in the specialty by the Royal College of Physicians and Surgeons (Canada) or the American Board of Radiology is available in the teaching hospitals to selected graduates of approved Faculties or Schools of Medicine.

Text and Reference Books:—Rœntgen Interpretation, Holmes and Ruggles; Text Book of Radiology, Shanks, Kerly and Twining; Diagnostic Radiology, Golden (et al); Head and Neck in Rœntgen Diagnosis, Pancoast, Pendergrass and Schaeffer; Rœntgenology, Kohler; Urological Rœntgenology, Wesson and Ruggles; Clinical Rœntgenology of the Cardiovascular system, Roessler; The Digestive Tract, Barclay; Theoretical Principles of Rœntgen Therapy, Pohle; Clinical Rœntgen Therapy, Pohle; Physical Foundations of Radiology, Glasser, Quimby, Taylor and Weatherwax.

GRADUATE INSTRUCTION

1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.

2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is $30.00 a term (10 weeks).

A Diploma of Public Health and a Diploma of Tropical Medicine are granted by McGill University.

These courses are being conducted by the Department of Health and Social Medicine with the collaboration of other departments in the Faculty of Medicine and the assistance of members of other faculties in the University who have a special interest in this field. Practical instruction and application are made possible through the cooperation of the Department of Health of Montreal and voluntary health agencies.

The Department of Health and Social Medicine is housed in its new quarters at 490, Pine Avenue West, within easy access of the Medical Building. The building contains ample accommodation for lectures, seminars and demonstrations. In addition to the excellent facilities of the Library of the Faculty of Medicine, which are at the disposal of students, the Department has its own library and reading-room. The building is also the headquarters of the Student Health Service.

DIPLOMA OF PUBLIC HEALTH

The course is designed to train graduates in medicine in the increasingly wider concept of the public health service. It includes:

Sociology, with special reference to the practice of Medicine;

Statistical Methods from the point of view of providing an understanding of the fundamental principles of statistics as they are applied to medical science for the critical analysis of surveys and reports; instruction is given in carrying on research involving statistical techniques;

Vital Statistics, including Biometrics, stressing the importance of the accurate recording of essential data, observations and other findings, together with their practical significance and application;

Epidemiology as defined in its broadest sense, including communicable disease control and the assessment of morbidity in non-communicable diseases;

Public Health Law and its administration;

Hygiene of the Environment, including Sanitation, Housing and Nutrition; Physiological Hygiene;

Industrial Toxicology and Industrial Hygiene;

Hygienes (Physical and Mental): Maternal, Infant, Pre-School, School and Adult;

Bacteriology, Parasitology and Immunology, as related to public health practice;

Social and Economic Factors in Health; programs designed to deal with them;

Public Health Practice: The organization and administration of public health programs, including Preventive Medicine, especially as they pertain to the public health agency, the family physician and the social worker;

FIELD WORK: A period of three months' approved field work must be undertaken before the Diploma is granted. Facilities are available in fields of special interest, such as Tuberculosis, Venereal Disease, School Health, etc.

Candidates for the Diploma of Public Health must be graduates in Medicine of a recognized university.

The Diploma of Public Health course covers one academic year from September 15, 1947, to the end of April, 1948, with three months' additional field work.

The Fee for the Diploma of Public Health is $250.00, a portion of which—$25.00—the candidate is requested to deposit on acceptance of his application.

Registration is from September 13 to 20, 1947.

DIPLOMA OF TROPICAL MEDICINE

Tropical Medicine is coming to occupy a prominent place in medical education in North America as a direct outcome of the war and the rapid advance of aeroplane travel.

The present course in Tropical Medicine is a development of the short course given during the war to members of the armed forces. It has been revised and adjusted to post-war conditions.

The course of didactic instruction will occupy a full academic year. Classes for the first term will be in common with those for the Diploma in Public Health. Those for the second term will be held at the Institute of Parasitology at Macdonald College of McGill University. The teaching collection at the Institute is a large and representative one. The work will be practical as well as theoretical, and will include a study of Parasitology and Medical Entomology, laboratory diagnoses of tropical and sub-tropical diseases, and lectures on the diseases of the tropics, on tropical hygiene and minor sanitation.

Clinical instruction must, of necessity, be limited in temperate climates. This aspect is, therefore, deferred to the final part of the course which will be given in the tropics at the conclusion of the didactic instruction. The course consists of clinical and field work for which arrangements have been made with Georgetown, British Guiana, Port of Spain, Trinidad, and Venezuela.

Candidates for the Diploma of Tropical Medicine must be graduates in medicine of a recognized university. Certain additional courses may be required of those who are not recent graduates or of those who have not had sufficient clinical practice.

The Fee for the Diploma of Tropical Medicine is $150, or $50.00 if preceded by the D.P.H. course at McGill University, or $100.00 for those who have taken the D.P.H. elsewhere.

BUILDINGS

THE MEDICAL BUILDING

This building, erected in 1911, at a cost of over $600,000, contains the Offices of Administration, the Medical Library (with its 65,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Health and Social Medicine, the Research Institute of Endocrinology and the Museums of Anatomy, Pathology and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The Laboratories for Histology and Embryology have excellent facilities with space for 120 students, and smaller rooms for research.

THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over $500,000, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neuro-surgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, laboratories, etc., the building provides complete residential accommodation for six research fellows.

THE ALLAN MEMORIAL INSTITUTE

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building has been reconstructed to permit of the establishment of a fifty bed unit, together with extensive research laboratories, and was officially opened July 12th, 1944. Plans have been drawn up for the carrying out of undergraduate and postgraduate teaching in the Faculty of Medicine.

HOSPITALS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital
Montreal General Hospital
Children's Memorial Hospital
Alexandra Hospital for Infectious Diseases
Verdun Protestant Hospital
Royal Edward Laurentian Hospital
The Royal Victoria Montreal Maternity Hospital

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 3,000 beds.

THE ROYAL VICTORIA HOSPITAL, in juxtaposition to the University buildings, is a general hospital for acute diseases and contains 693 beds and 96 cribs. In a typical year, it cared for 16,637 cases, while in its out-door department 68,994 cases were treated. Many new additions have been made in the Hospital. A modern University Medical Clinic was established in 1924.

There were 66.2% post-mortems.

The number of resident physicians is 70.

THE ROYAL VICTORIA-MONTREAL MATERNITY PAVILION, with 214 beds for obstetrical and gynæcological cases, was opened in June, 1926. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for 2,252 confinements in the Hospital and 210 in the Out-patient Service. In the gynæcological section, 1,803 cases were admitted during the year.

There are ten resident physicians.

THE MONTREAL GENERAL HOSPITAL, CENTRAL AND WESTERN DIVISIONS, is a general hospital for the treatment of acute diseases and contains 600 beds. In a recent year there were 12,200 admissions. The number of patients' visits to the Out-Patient Department of both Divisions totals 174,977. Many modern additions to the original buildings have been made permitting increased bed capacity. There is a large biochemical laboratory fully equipped for the complete investigation of the metabolic aspects of disease and in conjunction with this department there is an out-patient clinic, one of the largest on the continent, for the treatment of diabetes mellitus. There were 573 autopsies performed which represents 85% of all autopsies obtainable, i.e., other than coroner's cases, etc. Post-mortem and surgical material at both Divisions is now used for teaching, and clinical teaching is carried out in the public wards at both Divisions. The number of resident physicians is 52. The Dental Clinic of the University completed in 1921 is located at the Central Division and has 50 dental chairs with a large and varied clientele. The number of visits to the Dental Clinic for a recent year was 19,065.

THE CHILDREN'S MEMORIAL HOSPITAL has 267 public beds, and, in a typical year, admitted 3,807 patients. The attendance at its out-door department totalled over 32,459 visits. This hospital admits all classes of cases of disease in children, and enables the students to get a broad

concept of pædiatrics. Of special interest are the newly-built wards with cubicles, the Department of Remedial Gymnastics, the Open-air Pavilions, and the well-equipped out-patient service.

There were 97 autopsies in the year, which represented 88.3% of all deaths.

The number of resident physicians is 12.

THE ALEXANDRA HOSPITAL FOR INFECTIOUS DISEASES, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 172 beds, and, in a typical year, 2,008 patients were admitted to the hospital. There were 14 autopsies.

The number of resident physicians is 3.

THE VERDUN PROTESTANT HOSPITAL has 1,100 beds.

THE ROYAL EDWARD LAURENTIAN HOSPITAL, in its new building, 3674 St. Urbain St., has space for 70 beds, with operating room, X-Ray equipment and modern facilities for the examination of patients; it is essentially a dispensary for tuberculosis and offers adequate material for teaching students the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

LIBRARY

Honorary Librarian.....R. L. STEHLE

The Library occupies the central front section of the medical building. It contains more than 65,000 bound volumes and an extensive collection of pamphlets, theses, government publications and other items.

On the third floor are the pleasant, well-lighted reading room capable of accommodating seventy-five readers, and the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library—ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes.

some dating back to the sixteenth century. Among the books and journals the ophthalmological section, due in large measure to many gifts from the late Dr. Casey A. Wood, is excellent.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7.30 to 10.00 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

Librarian.....W. W. Francis

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 9,500 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death ("Bibliotheca Osleriana," Clarendon Press, Oxford, 1929, xxxvi, 785 pp.).

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

1. THE McGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

(1) To transact all matters of business connected with the undergraduate body.

(2) To stimulate interest along medical lines.

(3) To assist students to express themselves in public with facility.

(4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Third and Fourth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

3. THE OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.

McGILL UNIVERSITY

MONTREAL



FACULTY OF MEDICINE

1948-1949

McGILL UNIVERSITY

MONTREAL, CANADA

GENERAL INFORMATION

1948 - 1949

ADMISSION TO THE UNIVERSITY

Entrance Requirements

The entrance requirements of the various faculties and schools of the University are given in the General Announcement, and in the separate announcements of the faculties and schools. These announcements may be obtained from the Registrar's Office.

Special Consideration for Ex-Service Men and Women

The University gives special consideration to ex-service applicants.

Application Forms

Application forms for admission to the faculties of Arts and Science (including the School of Commerce), Engineering, Medicine, and Dentistry may be obtained from the Registrar's Office. Applications for admission to other faculties and schools should be made to the deans of the faculties or the directors of the schools concerned. All application forms give details of the certificates and records applicants must submit.

Admission to the University

The admissions policy of the University is definitely selective and no guarantee can be given that a student who has complied with the minimum entrance requirements will be admitted. Students, therefore, should never come to the University until they have received an official acceptance of their applications.

Inquiries

The Registrar will be pleased to answer inquiries concerning the University and to give advice to anyone who contemplates applying for admission.

DAWSON COLLEGE

To provide accommodation for the great number of students who wish to study for a degree, the University in September 1945 opened Dawson College at St. Johns, Quebec, about twenty-five miles from Montreal.

This college which was formerly an Air Observer Station of the R.C.A.F. is well equipped with living quarters, classrooms, laboratories, dining rooms, gymnasia, playing fields, lounge rooms, and a theatre.

There is accommodation for a considerable number of married veterans, and special quarters for wounded men who are not yet perfectly fit. Application for special accommodation should be made early to the Vice-Principal, Dawson College, Quebec. The college has room for about 1,200 resident students.

The following students will, after September 1948, be in residence at Dawson College: (a) all students (men and women) in First Year Engineering (including Architecture); (b) all students in Second Year Engineering except those taking Architecture, Engineering Physics, and Applied Mechanics; (c) all male students in the First Year of the B.Sc. course; (d) all male students in the Second Year of the B.Sc. *general* course.

Students may, in special circumstances, be permitted to live in Montreal and commute to their lectures at Dawson College. Those seeking this privilege should apply to the Vice-Principal of Dawson College.

For further information, applicants should write to the office of the Vice-Principal, Dawson College, Quebec.

The fees for board and residence at Dawson College are as follows:

Single students (for the normal session, excluding examinations and holidays):

	Science	*Engineering*
Dormitory	$295	$285
Rooms	345	330

Students remaining in residence beyond the normal session will be charged at *per diem* rates of $1.75 in dormitories and $2.00 in rooms.

Married students (per month):

Man and wife in one room	$ 90
Man, wife, and child in two rooms	100
Extra for each additional child	5

Health fee for the session (all married students in residence) 3

These fees are subject to change without notice.

IMMIGRATION

All students entering Canada to attend courses at the University should obtain from the Registrar's Office an official letter of acceptance and should present this to the immigration authorities at the port of entry.

British Students

British students do not require passports to enter Canada but may require them if they wish to return, and they are therefore advised to obtain them before leaving for Canada.

American Students

American students do not need passports. They must, however, bring with them evidence of their American citizenship such as their birth certificate, baptismal certificate, naturalization certificate, or passport. They should register on arrival with the American Consulate General. Students coming from the United States of America who are not citizens of that country should carry evidence that they are legally in the United States, and prior to their return should obtain a re-entry permit from the American Immigration Department.

Other Students

All other students should carry passports.

Reference: Department of Mines and Resources, Memorandum No. 595335—Imm.

HEALTH SERVICE

The object of the student Health Service is to ensure that every student enrolled at McGill University shall be enabled to obtain the maximum protection for the development and maintenance of health at reasonable cost, during the University sessions.

The facilities of the Health Service provide for the early discovery of any defects of health and direct the student to competent treatment for any serious defect which may be found. The personnel of the Health Service have all been chosen for their ability to give competent and sympathetic service.

The Health Service provides treatment for minor illnesses or accidents.

It is not the function of the Health Service to undertake the care of serious cases beyond the initial diagnosis and emergency treatment. The patient will then be referred to the physician or surgeon of his choice or to the public service of designated hospitals.

The families of out-of-town students will be notified of any serious illness, and the action of the Health Service will be guided by their wishes or the advice of their family doctor.

Students entering the University are presumed to be in good health. If not, a statement to the contrary should be furnished to the Health Service before registration in the University is completed.

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination against Smallpox. Students should be vaccinated before they come to the University. If they have not complied with this Government regulation, they will be vaccinated at the University and a fee of $5.00 will be charged. Failure to be vaccinated before a certain date in the term will involve an additional fine of $5.00.

The University is not responsible for damages of any kind resulting from accidents or athletic injuries which may occur, nor for the medical or hospital expenses incurred by any person suffering an accident or athletic injury. In the case of injuries which occur during intercollegiate or intramural competition in athletics or in preparation therefor, the Health Service will render treatment, including hospitalization, if necessary, but any hospital expense in connection therewith shall be limited to the same maximum amount and conditions as in the case of hospitalization for illness. If circumstances appear to justify such action, the Director of the Department may authorize additional services or contributions towards such cost.

The Student Health Service is organized to provide:

(a) Annual examinations for all men and women students in the University at the beginning of each Session. The examination includes a complete clinical check, together with an X-ray of chest and routine laboratory procedures. It is designed to provide an evaluation of the student's physical and psychological condition. Participation in athletics is conditional upon the findings. The examination is compulsory for all students and is given during a stated period of time. Announcements appear on the notice board giving the date, time and place for each student. Any student who fails to be examined during the regular period is subject to a fine of $5.00. If the student fails to report on a subsequently specified date the fine is increased to $10.00. Should he fail to report after another request, he is suspended from the University.

Re-examination during the session is undertaken for any student who may seem to require it.

(b) Consultative service for all students during regular hours throughout the week at designated locations by physicians of the Health Service. This service is optional on the part of the student. Any services obtained by the student from a private physician are the students' responsibility. The University will not pay for such services.

A limited number of visits by a physician or nurse of the Health Service for those living away from home and confined to bed will be undertaken.

A student who has received medical attention for an illness or accident must be declared fit by the Health Service before he may resume participation in classes or athletics.

(c) Payment for one half of all public ward rates in a designated general hospital up to a maximum of $125.00 per student in any one session of the University, providing that the hospitalization is requisitioned by the Health Services.

This contribution is not applicable to hospital expenses for an illness or other condition which was known or ascertained at the time of admission.

Detailed information will be furnished each student at the time of registration.

BOARD AND RESIDENCE

The University reserves the right to make changes without notice in its published schedule of tuition, board and residence, and other fees.

I. For Men

Douglas Hall of Residence

Douglas Hall was opened in September 1937. It is built on the staircase plan, each student normally having his own study-bedroom and sharing a sitting room with two other men, the three study-bedrooms and the sitting room forming a self-contained and separate suite. Meals, under the supervision of a qualified dietitian, are served in the attractive refectory and residents have in addition the use of adequate common rooms, play rooms, etc.

Normal Sessional Fees for Board and Residence:

Engineering and Architecture	$600.00
Arts, Science, Commerce, Law	635.00
Medicine and Dentistry (fourth year)	670.00
Medicine and Dentistry (lower years)	700.00

Due to limited accommodation, a few students will be required to share a study-bedroom, in which case a rebate of $40.00 on the normal fee will be allowed.

Wilson Memorial Hall

Wilson Memorial Hall, acquired in 1945, has accommodation for approximately seventy students, most of whom share a double room. Otherwise the facilities of dining room and common rooms are similar to those at Douglas Hall.

Normal Sessional Fees for Board and Residence:

Engineering and Architecture	$595.00
Arts, Science, Commerce, and Law	625.00

Students sharing a double room will be allowed a rebate of $40.00 on the normal fee.

One half of the fee is payable at the beginning of the session, and the balance on February 1st.

Students who are in residence for any additional period are charged extra at the rate of $3.00 per day.

Application forms for both residences may be obtained from the Warden's Office, Douglas Hall of Residence.

LODGINGS

The University has a register of lodgings which have been inspected and approved. For information about these rooms students should apply in person to the Rooms Registry in the Union during September. The Registry gives information to those who come to its office but does not itself reserve lodgings.

The cost of board and lodging in approved rooms varies from $50 to $75 per month. Separately, board costs from $35, and a room from $20 upwards per month.

Board is furnished in the McGill Union at low rates.

Board and lodging for men may also be obtained in the Diocesan College and the Presbyterian College, which are affiliated with the University.

PETERSON RESIDENCES

The Sir William Peterson Residences at Lachine house about two hundred married veterans. Rates for board and residence are the same as those for married students at Dawson College (*see page 202*). For further information, inquirers should write to The Warden, Peterson Residences, Lachine, P.Q.

II. FOR WOMEN

THE ROYAL VICTORIA COLLEGE

The present building of the Royal Victoria College was erected in 1899 under the terms of the endowment created by the late Rt. Hon. Baron Strathcona and Mount Royal for the education of women at McGill University. The extension was built in 1930-31 and adjoining land has recently been acquired for the purpose of providing additional facilities.

All women undergraduates registered at McGill University are automatically members of the Royal Victoria College, whether in residence or not, and are required by the University to complete the supplementary registration forms of the Royal Victoria College.

The activities of all women students center in the College, which contains a separate library, cafeteria, gymnasium facilities, health offices, infirmary, and accommodation for the Women's Union, as well as residential quarters and the Warden's office.

The Warden has general supervision over all the academic activities of the women students. Under the University statutes, she is responsible for "the preservation everywhere of the good character and good name of the College." To this end she has jurisdiction over all women's extra-curricular activities.

Admission

To be eligible for residence students must have fulfilled all the entrance requirements of McGill University, have been officially accepted for a full course leading to a degree or diploma, and have complied with the health regulations (*see paragraph on Health, page 209*).

Admission to residence is based upon scholarship, character, health and general promise.

Application for Residence

All women students whose homes are not in Montreal must submit residential applications as well as academic applications. Neither residential nor academic application will be considered until both are on file.

Residential application forms may be secured either from the Registrar's Office of the University or from the College, and when completed should be addressed to The Warden, Royal Victoria College, McGill University, Montreal. It is to the candidate's advantage to make application early and in any case by May 31st. (Students should not await the results of their matriculation examinations before applying.) While the date of application is not considered in the selection of candidates, rooms are assigned to those accepted in the order in which forms are received.

Residences

The College has accommodation for 138 students only, but residence for approximately 100 students is available at Strathcona Hall, a residence building one block west of the Royal Victoria College on Sherbrooke Street, and McLennan Hall on Ontario Avenue. McLennan Hall, formerly the home of Miss Isabella C. McLennan, and recently donated by her to the University, is within 10 minutes walking distance of the College. Breakfast is served at the Hall and other meals at the Royal Victoria College.

Opening and Closing of Residences

Registration dates for women students in Arts, Science, and Commerce are as follows:

Monday and Tuesday, September 27th and 28th — Upper Years

Wednesday and Thursday, September 29th and 30th — First Year

Residences will open for all students on Saturday, September 25th, when the mid-day meal will be the first to be served. ***Students will not be admitted before this date.***

All students except seniors are expected to leave in May within 48 hours of their last examination; seniors by the day after Convocation.

Rooms and Furnishings

In the Royal Victoria College there are 131 single rooms and 7 double rooms. The rooms are furnished with the following: couch bed, bedding and linen (two blankets, pillow, sheets, pillow cases, bath towels, face towels), muslin curtains, small rug, bureau, desk, bookcase, desk chair, waste-basket, and study lamp. Couch coverings and bureau scarves are not provided.

In Strathcona Hall there are 45 single rooms, 10 double rooms, and a dormitory for 6. The furnishings are similar to those in the Royal Victoria College.

At McLennan Hall the rooms are large and accommodate two or three students each, except for two single rooms. The furnishings include couch beds, bedding and linen (two blankets, pillow, sheets, pillow cases, bath towels, face towels), bureaus, desks, chairs, waste-baskets, and study lamps. Couch coverings and bureau scarves are not provided.

Rates

The charge for board and residence in the Royal Victoria College for a student occupying a single room is $635.00 and for a student occupying a double room, $610.00.

The charge for board and residence in Strathcona Hall is $565.00 for a single room and $540.00 for a double room. The rate for the dormitory is $505.00.

The charge for board and residence at McLennan Hall is $635.00 for the single rooms and $540.00 for all others.

These charges cover the period of the University session in Arts and Science, exclusive of the Christmas holiday. Students who are in residence for any additional period for purposes of instruction, practice teaching, or examinations are charged at the rate of $3.00 per day at the Royal Victoria College, Strathcona Hall, and McLennan Hall.

Residence Outside the College

Students not residing with their parents or guardians should apply for residence in the Royal Victoria College or Strathcona Hall or McLennan Hall or consult with the Warden with regard to living outside. All women students living out of residence must obtain the Warden's written approval of their living arrangements and no student may change her lodging without the written consent of the Warden.

No sanction can be given to establishments of students in apartments or elsewhere unless such households are presided over by a parent or other responsible person approved by the Warden.

There is accommodation for meals in the cafeteria at the Royal Victoria College.

Health

The health service for both resident and non-resident students is part of the University Health Service. The Assistant Physician for the Royal Victoria College, Dr. M. Dorothea Mellor, is assisted by resident nurses.

No student who has an infectious illness or who comes from a house in which there has been an infectious illness may enter or return to the College unless the regulations of the Provincial Department of Health are observed. In all such cases the Warden must be notified and official consent secured. All students entering the University for the first time are required according to Provincial regulations to present a certificate or other satisfactory evidence of successful vaccination within seven years, or of insusceptibility to vaccine within five years.

FEES

The University reserves the right to make changes without notice in its published schedule of tuition, board and residence, and other fees.

I. University Fees

These fees include all the regular charges of the University for tuition, health service, registration, libraries, laboratories, physical education, sports, games, and graduation. The only additional fee is the Students' Society Fee (*see page 211*).

Full-Time Regular Students

Arts	$250.00
Science	300.00
Engineering	325.00
Medicine	450.00
Dentistry	350.00
Law	275.00
Music	250.00
Library School	285.00
Commerce	275.00
Graduate Faculty	200.00*
School of Physical Education	275.00
School of Social Work	275.00
School for Graduate Nurses (Diploma Course)	210.00
School for Graduate Nurses (Degree Course)	260.00
Physiotherapy	275.00
High School Diploma Course	150.00

*Students in Chemistry are charged a Caution Levy of $7.00.

CONDITIONED STUDENTS

Special fee for an additional course repeated or substituted by Conditioned Students (one full course or two half courses)... $10.00

LIMITED UNDERGRADUATES IN THE FACULTY OF ARTS AND SCIENCE

Per Course	$72.00
Per Half Course	36.00

PARTIAL STUDENTS	Half Courses	Full Courses
Arts, Science, and Commerce, per course	$36.00	$72.00
Engineering, per hour of instruction per week, per term	12.00	12.00

The maximum fee for a partial student is the full undergraduate fee.

Information concerning the fees payable by partial students taking other courses may be obtained from the Bursar's office.

Partial students pay $5.00 for Athletics and are entitled to use the outdoor facilities, tennis courts, rinks, etc. If they desire the full athletic and health service privileges of a regular student the fee payable is $22.00. Such students must be medically examined at the time of registration.

Partial students who pay the full undergraduate fee are entitled to the use of the Student Health Service and all facilities of the Department of Physical Education enjoyed by regular students.

PAYMENTS BY INSTALMENTS

Fees may be paid in two instalments, one at the beginning of the session and one on the 1st of February following. For this privilege the fee (payable $2.50 with each instalment) is..... $ 5.00

II. SPECIAL FEES AND PENALTIES

Late registration (first week) extra	$ 5.00
Late registration (second week) extra	10.00
Late payment fee (after specified date)	2.00
Fine for late medical examination (*see page 204*)	5.00 or 10.00
Graduation *in absentia*	10.00
Duplicate Diploma	10.00
Certified copy of student's record	1.00
Additional copies (at same time)	.50
Certificate of exemption from Matriculation	2.00
Supplemental examinations, each paper	10.00
Rental of microscope (*per term*)	7.50
Rental of microscope (*for the session*)	12.00

McGill graduates and graduates of other Universities may use the University Library on payment of an annual fee of $5.00.

III. Students' Society Fees

An annual fee of $12 ($11 in Engineering and Medicine) is payable by all undergraduates for the support of student organizations. Engineering students are required to make a deposit of $10.00 for the Engineering Undergraduates' Book Service. Medical students pay an additional $2.00 for the Medical Journal.

The men's fee is distributed as follows: McGill Union $3.50; McGill Daily $1.50; Students' Executive Council $6.00; Undergraduate Society $1.00.

The women's fee is distributed as follows: Women's Union $3.50: McGill Daily $1.50; Students' Executive Council $6.00; Undergraduate Society $1.00.

Free use of the gymnasium, rinks, tennis courts, etc., is included in the University fees listed on page 209. Students' season tickets for the home games of the senior football team cost $1.50. All other home games are free to students.

Students in the Faculty of Graduate Studies pay an annual fee of $3.50 for the support of the McGill Union or Women's Union, and $1.50 for the McGill Daily.

REGULATIONS FOR PAYMENT OF FEES

1. Fees are due and payable at the Accounting Office immediately after registration; exact dates are shown in the announcements of the various Faculties and Schools. A late fee of $2.00 is charged for payment after the specified dates.

2. The University does not issue bills for fees. Each student is required, at the time of registration, to complete a form giving full details of his fees for the session. This form provides a detailed statement to accompany remittances sent by mail.

3. Fees may be paid in two instalments, one at the beginning of the session, and one on February 1st following. In such cases the instalment fee of $5.00 is charged.

   1st Instalment

   Divide Tuition, Students' Activities, Board and Residence, and Instalment Fees in half. All other fees and deposits are payable in full with first instalment.

   2nd Instalment

   Balance of Tuition, Students' Activities, Board and Residence, and Instalment Fees.

4. Students registering late pay their fees at the time of registration, failing which they become subject to the provisions of the following paragraph:

Immediately after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory atrangement is made with the Chief Accountant.

5. Further details concerning fees in the Faculty of Graduate Studies and Research are given in the announcement of that Faculty.

REGULATIONS CONCERNING REMISSION OF FEES TO STUDENTS WHO LEAVE THE UNIVERSITY DURING THE COURSE OF THE ACADEMIC YEAR

1. Students withdrawing from the University must cancel their registration at the Registrar's Office.
2. In the case of students who, in spite of the fact that they leave the University before the end of the academic year, receive full credit for the year towards their degree, there shall be no refund of fees.
3. In the case of students who leave during the academic year and do not receive credit beyond the period of their attendance, the fees shall be remitted on the following basis:
   (a) In those Faculties where the academic year is divided into two terms, half of the annual fees shall be remitted to a student who leaves prior to the beginning of the second term.
   (b) In those Faculties where the year is divided into three terms, one-third of the fees shall be returned for each term that begins after the departure of the student.
4. No fees shall be refunded for any term during which the student has attended classes, even though he leaves before the term has finished.
5. Board and residence fees are payable for the full academic year and shall not be refunded.
6. Students' Activities fees shall not be refunded.

EXPENSES

It will be seen that each student pays annually two fees, (1) his inclusive University fee (2) a Student's Activity fee. There are no other regular fees and the only extras are for late registration, for graduation *in absentia*, etc., as listed above. Consequently the expenses of a student may be estimated by adding these two fees and the cost of board and lodging (*see pages 202, 205, 206, and 208*). Books are necessarily a variable expense, but probably $50 a year would be about their average cost in Arts and Science. Personal expenditure upon clothes, amusements, etc., is still more variable and no useful estimate is possible.

PART-TIME EMPLOYMENT

Inquiries regarding placement, part-time work, or summer employment should be directed to the University Placement Service. However, students taking a regular degree course generally have insufficient leisure to make heavy part-time work during the term advisable, and they are recommended not to rely upon earning any money while actually at college.

SPORTS FOR MEN

There is intercollegiate competition in approximately twenty different sports including, football, hockey, track, basketball, skiing, swimming, tennis, boxing, wrestling, fencing, and golf, and, in addition, there is a wide programme of intra-mural competition in various sports. The Sir Arthur Currie Memorial Gymnasium provides accommodation for many indoor activities, while Mount Royal in Montreal and the Laurentian Mountains north of Montreal provide excellent skiing country. A student in good health thus has ample opportunities for exercise and pleasant recreation.

SPORTS FOR WOMEN

For women students there is a wide choice of voluntary sports and recreations including archery, basketball, dancing, gymnastics, skating, skiing, swimming, and tennis. Special care is taken that no student undertakes any exercise for which she is physically unsuited.

CALENDAR FOR THE SESSION 1948-1949

1948

May 26th, Wednesday. Convocation.

June 29th, Tuesday. French Summer School begins.

July 1st, Thursday. Dominion Day.

July 5th, Monday. Geography Summer School begins.

August 11th, Wednesday. French Summer School ends.

August 14th, Saturday. Geography Summer School ends.

September 1st, Wednesday. Summer School in Mechanical Engineering begins. Fall Survey School begins. Students in certificate courses in Public Health Nursing, and Advanced Psychiatric, Obstetric, and Paediatric Nursing report to the School for Graduate Nurses for field work.

September 2nd, Thursday. Supplemental Examinations begin in Arts and Science, Commerce, Engineering, Architecture, and in the School of Physical Education.

September 6th, Monday. Labour Day. No examinations.

September 7th, Tuesday. Students register in all years of Medicine and Dentistry. Last day for filing Graduate theses for Autumn Convocation.

September 8th, Wednesday. Lectures begin in all years of Medicine and Dentistry. Second and Third Year Women students in the School of Physical Education report for Autumn Outdoor School. School Certificate examinations begin.

September 9th, Thursday. High School Diploma students report for training in the Department of Education.

September 10th, Friday. Seminars begin for High School Diploma students.

September 13th, Monday. Conservatorium of Music opens for practical work. Second and Third Year Men students in the School of Physical Education report for Autumn Outdoor School.

September 17th, Friday. Students in certificate courses in Teaching and in Supervision and Administration in Schools of Nursing report to the School for Graduate Nurses for observation in hospitals.

September 17th, Friday, and September 18th, Saturday. Students register in the Library School.

September 20th, Monday. Lectures begin in the Library School.

September 21st, Tuesday. Last day for reports on Ph.D. theses and on Master's theses.

September 21st, Tuesday, to September 25th, Saturday. Final orals for Ph.D.

September 27th, Monday, and September 28th, Tuesday. Registration of Upper Year students in the Faculty of Arts and Science, and in the Second and Third Years of the School of Physical Education. Lectures begin in the Faculty of Music.

September 28th, Tuesday. Students register in the First Year of the School of Physical Education.

September 29th, Wednesday. Freshman Day. Registration of First Year students begins in Arts and Science. Registration of all years in Engineering and Architecture.

September 29th, Wednesday, and September 30th, Thursday. Students register in Law, the School for Graduate Nurses, the First and Fourth Years of the School of Physical Education, and the School of Physiotherapy.

September 30th, Thursday. Students register in the School of Social Work.

October 1st, Friday. Lectures begin in Arts and Science, Commerce, Engineering, Architecture, Law, Agriculture, Household Science, Graduate Studies and Research, the School of Social Work, the School for Graduate Nurses, the School of Physiotherapy, and the School of Physical Education. Last day for receiving candidates' applications

and sessional registration forms in the Dean's office, Faculty of Graduate Studies and Research.

October 6th, Wednesday. Founder's Day. Convocation.
(James McGill born October 6th, 1744, died December 19th, 1813.)

**Thanksgiving Day.* No lectures.

October 16th, Saturday. Last day for submitting certificates relating to summer employment in the Faculty of Engineering.

October 23rd, Saturday. Last day for registration and payment of fees in the Faculty of Graduate Studies and Research.

December 4th, Saturday, to December 11th, Saturday. Examinations in French and German for Ph.D. students.

December 10th, Friday. First term ends in the Library School.

December 14th, Tuesday, to December 17th, Friday. Examinations in the Library School.

December 17th, Friday. Last day of lectures and field work in the School of Social Work.

December 21st, Tuesday. Last day of lectures in all other Faculties and Schools.

1949

January 3rd, Monday. Lectures resumed in the School of Social Work.

January 5th, Wednesday. Lectures resumed in Medicine, Dentistry, Graduate Studies, the Library School, Music. Second Term begins in Law. First term examinations begin in Arts and Science, Engineering, Architecture, Physical Education, the School for Graduate Nurses, and Physiotherapy.

January 12th, Wednesday. Second term begins in Arts and Science, Commerce, Engineering, Architecture, Physical Education, the School for Graduate Nurses, and Physiotherapy.

January 26th, Wednesday, to January 28th, Friday. Examinations held in the School of Social Work.

January 31st, Monday. Second Term begins in the School of Social Work.

February 10th, Thursday. Founder's Day at Macdonald College.
(Sir William Macdonald born February 10th, 1831, died June 9th, 1917.)

February 18th, Friday, and February 19th, Saturday. Winter Carnival. No lectures except at Macdonald College.

Library School trip. Dates to be announced.

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*Thanksgiving Day will be a University holiday. The date will be proclaimed later by the Dominion Government.

April 5th, Tuesday. Lectures end in all years of Engineering and Architecture.

April 11th, Monday. Examinations begin in all years of Engineering and Architecture.

April 14th, Thursday. Lectures end in all Faculties and Schools except Music, Medicine, Dentistry, the Library School, and the School of Social Work.

April 15th, Friday. Last day for filing Ph.D. theses.

April 15th, Friday, to April 18th, Monday (inclusive). Easter vacation.

April 20th, Wednesday. Examinations begin in Arts and Science, Commerce, Law, Physical Education, Agriculture, Household Science, the School for Graduate Nurses, and Physiotherapy.

April 22nd, Friday. Last day for filing Masters' theses not involving experimental work.

April 29th, Friday. Examinations begin in the Theory of Music. Last day for filing Masters' theses involving experimental work.

April 30th, Saturday. Lectures end in the Library School.

May 2nd, Monday. Practical examinations begin in Music.

May 3rd, Tuesday. Examinations begin in the Library School and in Higher Theoretical Music.

May 6th, Friday. Last day of lectures in the School of Social Work.

May 7th, Saturday. Lectures end in Music.

May 7th, Saturday, to May 14th, Saturday. Final Orals for Ph.D.

May 9th, Monday, to May 21st, Saturday. Practice work in the Library School.

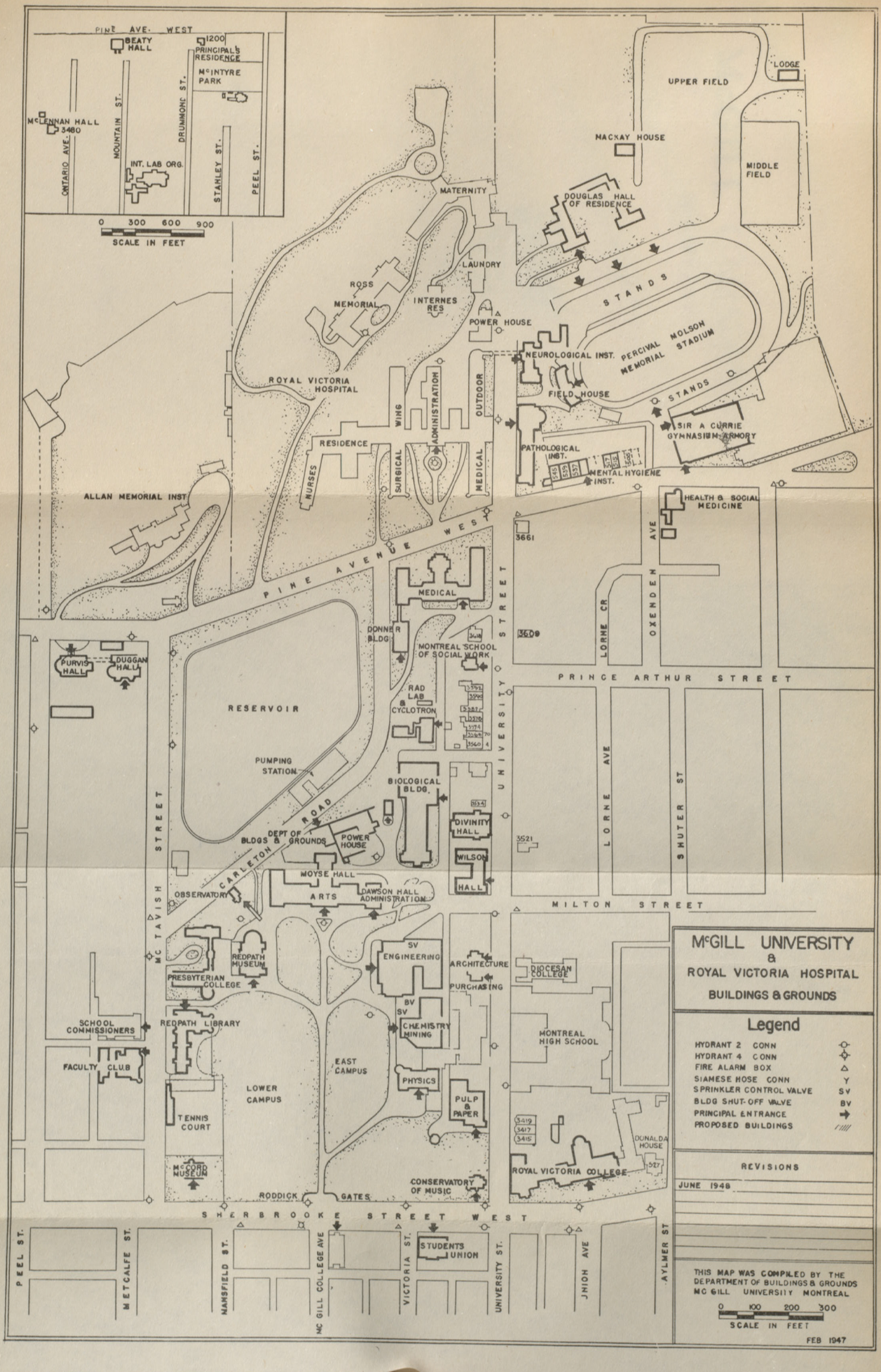
May 12th, Thursday. Examinations begin in the School of Social Work.

May 16th, Monday. First day of full-time field work in the School of Social Work.

May 25th, Wednesday. Convocation.

June 13th, Monday. School Certificate Examinations begin.

June 25th, Saturday. Last day of full-time field work in the School of Social Work.



McGILL UNIVERSITY & ROYAL VICTORIA HOSPITAL BUILDINGS & GROUNDS

Legend

HYDRANT 2 CONN	○
HYDRANT 4 CONN	⊕
FIRE ALARM BOX	△
SIAMESE HOSE CONN	Y
SPRINKLER CONTROL VALVE	SV
BLDG SHUT-OFF VALVE	BV
PRINCIPAL ENTRANCE	➔
PROPOSED BUILDINGS	////

REVISIONS

JUNE 1948

THIS MAP WAS COMPILED BY THE DEPARTMENT OF BUILDINGS & GROUNDS MC GILL UNIVERSITY MONTREAL

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SCALE IN FEET

FEB 1947

McGILL UNIVERSITY

MONTREAL



FACULTY OF MEDICINE

1948 - 1949

McGILL UNIVERSITY

MONTREAL

FACULTY OF MEDICINE

1948 - 1949

	Page
Administrative Officers	1205
Admission to Medicine	1208
Alpha Omega Alpha Honorary Medical Society	1258
Anatomy	1218
Anæsthesia	1242
Bacteriology	1222
Biochemistry	1220
Board and Lodging	1211
Buildings	1252
Bursaries	1216
Clinical Therapeutics	1229
Course for the Degree of M.D., C.M.	1212
Courses of Instruction	1218
Dermatology	1229
Diploma of Public Health	1250
Diploma of Tropical Medicine	1251
Dominion Registration	1217
Embryology	1219
Entrance Requirements	1207
Equivalent Standing in Medicine	1208
Examinations	1213
Fees	1210
Fellowships	1216
General Council of Medical Education, Great Britain	1217
Grading	1215
Graduate and Advanced Courses	1250
Gynæcology	1243
Health Service	1211
Health and Social Medicine	1225
Histology	1219
Hospitals	1253
Immunology	1222
Library	1256
Loan Fund	1216

	Page
Medals	1216
Medical Jurisprudence	1226
Medical Societies	1257
Medicine	1228
Microscopes	1211
Microscopic Anatomy	1219
Neurology and Neurosurgery	1236
Obstetrics	1243
Ophthalmology	1245
Orthopædic Surgery	1239
Osler Library	1256
Osler Society	1258
Oto-Laryngology	1246
Parisitology	1224
Pathology	1220
Pædiatrics	1234
Pharmacology	1227
Physiology	1219
Prizes	1216
Promotion	1213
Psychiatry	1233
Radiology	1248
Reciprocity with Great Britain	1217
Registration	1209
Requirements for Degree of M.D., C.M.	1216
Requirements for Licence	1216
Scholarships	1216
Surgery	1238
Therapeutics	1229
Undergraduate Medical Society	1257
Urology	1239

McGILL UNIVERSITY

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

Principal.....B.Com. (Lond.), M.A., Ph.D. (Penn.), D.C.L. (Bishop's), LL.D. (Queen's, Toronto, London, New York, etc.), D. de l'U. (Montréal), F.R.S.C., Chevalier de la Légion d'Honneur

Dean of the Faculty.....Frederick Smith, M.A., M.B., B.Ch., M.R.C.P., L.R.C.S., F.R.S.C.

Secretary of the Faculty.....D. S. Fleming, B.A., M.D., C.M., D.P.H.

Comptroller and Executive Assistant to the Principal.....S. H. Dobell, D.S.O.

Bursar.....W. Bentley, C.G.A., A.C.I.S

Registrar.....T. H. Matthews, M.A.

University Librarian.....Richard Pennington, B.A.

Honorary Medical Librarian.....R. L. Stehle, M.A., Ph.D.

Osler Librarian and Director of the Museum of the History of Medicine.....W. W. Francis, A.B., M.D

Assistant Secretary of the Faculty...Miss G. D. Mudge

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate announcement, which may be obtained from the Registrar's Office.

FACULTY OF MEDICINE

The one hundred and sixteenth session of the Faculty will open on September 7th, 1948, for students of the first year.

REQUIREMENTS FOR ENTRANCE

1. (a) *Total Academic Credits:*

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof). This minimum requirement may be regarded as equivalent to a total of 90 semester hours.

(b) *Scientific Requirements:*

In the scientific branches, certain subjects are specifically required:

Chemistry, two full courses, including General Chemistry and Organic Chemistry, with laboratory work.

Physics, one year with laboratory work.

Biology, or *Zoology*, one year with laboratory work. (Of this, a half year must consist of Zoology.)

(c) *Cultural Requirements:*

These must be selected in such a way as to be in harmony with the requirements for the degree of B.A. or B.Sc. at the college where the courses are taken. These would commonly include credits in English Literature and in Composition, Mathematics, and at least one modern language. It is advisable for each applicant to present evidence of such preparation.

(d) All candidates for admission to the Medical Faculty are required to take the Graduate Record Examination, or furnish a satisfactory explanation of reasons why they are unable to do so.

2. In selecting courses, in addition to the specific requirements listed above, the intending medical student should plan his pre-medical course as a whole, and in accordance with a definite educational objective. Emphasis should be laid on the broad educational value and the intellectual training afforded, rather than on the factual content of such pre-medical curricula; the student is therefore advised to plan his course in such a way as to provide more than elementary training in some definite

field of learning which appeals to him; this major field may be selected from the Natural or Social Sciences or the Humanities. Certain subjects which though not essential have been found valuable in medical study, and which may be included as electives if the curriculum in the major field permits, are Psychology, Sociology, and Genetics.

In general, students are advised not to anticipate medical school courses in Physiology, Histology, Bacteriology, and Biochemistry at the expense of a fundamental training as outlined above.

On the other hand, for students who desire a preparation in excess of the minimum requirements, a considerable degree of specialization in the sciences, such as Honours graduation, or a Master's degree, in Physics, Chemistry, Biochemistry, Biology, Physiology, or Bacteriology, may prove to be desirable and advantageous.

The students' attention is called to the memorandum printed in the Announcement of the Faculty of Arts and Science, for the guidance of pre-medical students.

Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body where they wish to practise.

EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than January 1st. Each application must be accompanied by a non-returnable fee of $5.00 in the form of a cheque or money order payable to McGill University.

A fee of $50.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Secretary of the Faculty, when possible, is advisable.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Tuesday, September 7th, 1948. Those who register after this date will be required to pay a late registration fee of $5.00 if they register during the first week of the session and $10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

FEES

The University reserves the right to make changes without notice in its published schedule of tuition, board and residence, and other fees.

UNIVERSITY FEES

1. Regular Students

Annual fee..... $450.00
By instalments: each of two instalments..... 227.50

2. Repeating a Year

Students repeating a year pay..... 450 00

3. Partial Students

Qualified students may be admitted as partials to one or more courses on payment of special fees.

4. Ad Eundem Fee

Students entering any year above the first pay a special *ad eundem* fee of..... $10.00

5. Diploma of Public Health Fees

The fee for the graduate course in Public Health, including laboratory and outdoor work, as well as student Health Service fee, is $250.00, of which $25.00 is to be deposited on acceptance of application.

6. Diploma of Tropical Medicine Fees

The fee for the course leading to this diploma is $50.00 if preceded by the D.P.H. course at McGill University or $100.00 for those already holding the D.P.H., taken elsewhere. For all others the fee is $250.00.

STUDENT FEES

Fees for the Support of Student Organizations.

Regular students (men)..... $15.00
Regular students (women)..... 15.00
Partial students..... 5.00
By instalments: half with each instalment.

DATES OF PAYMENT

Fees are due and payable at the Chief Accountant's Office between the hours of 9 a.m. and 4 p.m. on the following dates:—

Tuesday, September 7th, to Thursday, September 9th, inclusive, or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional $2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration, failing which they become subject to the provisions of the above paragraph.

Immediately after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Dean will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

All fees are payable in Canadian currency.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine. Suitable microscopes may be secured through local dealers.

BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement (pages 205, 206, and 212).

HEALTH SERVICE

For details of the Health Service and Medical Examinations see the General Information Pamphlet included in this Announcement (page 203).

COURSES FOR THE DEGREE OF M.D.,C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

a. four years of medical study in the University leading to the degree of M.D.,C.M.; and

b. one year of interneship in an approved hospital.

OR

one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

While the Faculty Administration exercises a general supervision of arrangements for interneships, the Faculty of Medicine assumes no responsibility to provide an interneship for any student.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are three sessions of thirty-six weeks each and one session (final session) of thirty-two weeks, all exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day) and continue until the first week of June in the first three years and to the first week in May in the final year.

The academic session is divided into four terms in the first and fourth session and into three terms in the second and third sessions. The minimal period of study for the degree of M.D.,C.M., is, therefore, four sessions of study comprising one hundred and forty weeks exclusive of examination periods.

The arrangement of the principal subjects of instruction is usually as follows:

First Session

Anatomy (including Histology and Embryology), Physiology, Biochemistry, Psychobiology and Medical Sociology, Introduction to Medicine.

Second Session

Pharmacology, General Pathology, Bacteriology and Immunology, Parasitology, Laboratory Diagnosis, Medicine, Surgery, Paediatrics, Obstetrics, Health and Social Medicine, Psychiatry.

Third Session

Special Pathology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynæcology, Pædiatrics, Psychiatry, Therapeutics, Ophthalmology, Oto-laryngology, Medical Jurisprudence, Radiology, Anaesthesia.

FOURTH SESSION

Medicine,* Surgery,* Obstetrics and Gynæcology, Psychiatry, Pædiatrics, Ophthalmology, Otolaryngology, Radiology, Neurology and Neuro-Surgery.

*In these subjects are included the following:—

Medicine—Dermatology, Clinical Therapeutics.

Surgery—Orthopædics, Urological Surgery, Anæsthesia.

EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely, major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology), Histology, Physiology, Biochemistry, Pharmacology, Bacteriology and Immunology, Pathology, Health and Social Medicine, Pædiatrics, Medicine, Surgery, Obstetrics and Gynæcology, Psychiatry.

Minor examinations include the final examinations in Parasitology, Laboratory Diagnosis, Medical Jurisprudence, Therapeutics, Ophthalmology, Otolaryngology, Radiology and examinations preliminary to the final major examinations.

A student who fails in any major examination will be required before he sits a supplemental examination to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplemental of one (or two) minor examination may proceed with other subjects in the following year, carrying such subject as a condition, but may not sit any subsequent major examinations until such conditions have been removed, nor may more than two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked

to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of the McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in examinations, except on special recommendation of the Promotion Committee, acting upon the motion of the representatives on the committee of the Department concerned.

A student who has been permitted to repeat his year shall be required to make a C+ grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

A schedule of the times of major and minor examinations shall be published as a supplement to these ordinances at the beginning of each academic session.

Examinations, tests, reviews, etc., may be held during the session by any Department in its time of instruction, provided that no more than

twenty-four (24) hours' notice is given. It is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know he is progressing in his studies.

There shall be two Promotion Committees. The First Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Bacteriology, Parasitology, Pathology, and Endocrinology, appointed by the Dean, and the Dean and Secretary *ex officio*. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the first and second years. The second Committee shall consist of representatives of the Departments of Pathology, Bacteriology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynæcology and Pædiatrics, appointed by the Dean, and the Dean and Secretary *ex officio*. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the third and fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.

GRADING

At the conclusion of each course, students are graded in five groups as follows:—

A = Excellent
B = Good
C = Fair
D = Doubtful
E = Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

The grade assigned to a student is based upon the results of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

FELLOWSHIPS, SCHOLARSHIPS, BURSARIES, MEDALS, PRIZES, AND LOAN FUNDS

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund may be found in the Scholarships Announcement.

REQUIREMENTS FOR THE DEGREE OF M.D.,C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.

2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 1207.)

3. No one is permitted to become a candidate for the degree who has not attended at least one full session at this University.

4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.

5. He must have attended during at least three sessions of nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.

6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.

7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a license to practise can be obtained.

N.B.—In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC—Dr. J. Paquin, 1896 Dorchester St. West, Montreal.

ONTARIO—Dr. Robert T. Noble, 566 University Ave. Toronto, Ont.

NEW BRUNSWICK—Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

NOVA SCOTIA—Dr. H. L. Scammell, 196 Atlantic St., Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. I. J. Yeo, Charlottetown, P.E.I.

MANITOBA—Dr. M. T. McFarland, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. W. Bramley Moore, 207 Alexandra Block, Edmonton, Alta.

SASKATCHEWAN—Dr. G. Gordon Ferguson, 415 Birks Bldg., Saskatoon, Sask.

BRITISH COLUMBIA—Dr. A. J. MacLachlan, 203 Medical-Dental Building, Vancouver, B.C.

The Registrar for Newfoundland is Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

COURSES OF INSTRUCTION

ANATOMY

Robert Reford Professor.....C. P. Martin, *Chairman*
Professor of Anatomy.....C. P. Leblond
Assistant Professors of Anatomy.....D. S. Forster, S. M. Friedman
Lecturer in Anatomy.....E. Walter Workman
Sessional Lecturer in Anatomy.....R. M. H. Power
Teaching Fellows.....J. Gross, R. A. Macbeth, Catherine E. Stevens

Required Courses

1. Gross Anatomy.

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the First Medical Year.

2. Neuro-Anatomy.

Four hours lecture and laboratory per week during the first term of the second year. Conducted with the co-operation of Dr. Francis McNaughton. This course is listed under the Department of Neurology and Neurosurgery as 2A Neuroanatomy.

3. Applied Anatomy.

One hour per week lecture and demonstration during the Winter and Spring terms of the Third Medical Year.

Text-books:—Gray's "Anatomy" (English Edition) or Cunningham's "Text-Book of Anatomy."

Practical Manuals:—Buchanan's "Manual of Anatomy;" Johnston's "Synopsis of Regional Anatomy."

Optional Texts:—Quain, Piersal, Spalteholz Atlas, Fraser's "Anatomy of the Human Skeleton," Fraser and Robbins, Larsell, Ramson.

Elective Courses

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

4. Advanced Neuro-Anatomy.

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton. The class is limited to ten. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

5. PHYSICAL ANTHROPOLOGY.

Lectures and practical courses will be arranged for students when required.

MICROSCOPIC ANATOMY

REQUIRED COURSE

6. HISTOLOGY.

The study of the histological structure of the body. Two hours lectures and six hours laboratory work per week during the first 28 weeks of the First Medical Year.

Text-book:—Bailey, "Text-Book of Histology" or Maximow and Bloom.

Optional Texts:—Cowdry, Lewis, and Bremer, Jordan.

ELECTIVE COURSE

7. EXPERIMENTAL MORPHOLOGY.

Bi-weekly seminar. In this course current problems and discoveries in Experimental Morphology are discussed by members of the staff and graduate students.

EMBRYOLOGY

REQUIRED COURSE

8. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY.

One hour per week lecture and three hours per week laboratory work during second half of the First Medical Year.

Text-book:—Arey, "Developmental Anatomy."

Optional Texts:—Jordan, Simkins, Bailey and Millar, Keith, Fraser.

PHYSIOLOGY

Joseph Morley Drake Professor .....

Associate Professor ..... N. GIBLIN

Assistant Professors ..... S. DWORKIN, RONALD GRANT, KATHLEEN TERROUX

REQUIRED COURSES

1. FIRST YEAR LECTURES.

Tuesday, Thursday, Saturday, at 9 a.m. (beginning in October).

1P. FIRST YEAR LABORATORY.

Six hours a week during last 16 weeks.

Text-books:—

Systematic Physiology—Human.

Howell, Textbook of Physiology; Starling (and Evans), Human Physiology; MacLeod (and Bard), Physiology in Modern Medicine.

Clinical Physiology.

Samson Wright, Applied Physiology; Wiggers, Physiology in Health and Disease: Best and Taylor, Physiological Basis of Medical Practice.

OTHER COURSES

(Available only for students who have obtained Honours in the Required Courses, and by application to the Chairman of the Department.)

3. ADVANCED LECTURES.

3P. ADVANCED LABORATORY

BIOCHEMISTRY

Professors	D. L. THOMSON, *Chairman* J. H. QUASTEL
Associate Professors	O. F. DENSTEDT R. D. H. HEARD
Assistant Professor	K. A. C. ELLIOTT
Sessional Lecturer	JUDITH SAFFRAN

COURSES OFFERED IN BIOCHEMISTRY

FIRST YEAR

BIOCHEMISTRY 1. Mon., Wed., Fri., at 9 a.m. (beginning in October).

1L. Laboratory: Six hours a week October to February.

Drs. Thomson and Heard

Text-books:—Bodansky, "Introduction to Physiological Chemistry" (Wiley); Cameron, "Text-book of Biochemistry" (Macmillan); Williams, "Text-book of Biochemistry" (van Nostrand); Schmidt and Allen, "Fundamentals of Biochemistry" (McGraw-Hill); Mitchell, "Text-book of Biochemistry" (McGraw-Hill).

This course consists of the courses numbered 31, 32 (Endocrinology) and 33 (Nutrition) listed in the Announcement of the Faculty of Arts and Science, which also lists more advanced courses offered by the Department.

PATHOLOGY

Strathcona Professor	G. LYMAN DUFF, *Chairman*
Professor	THEO R. WAUGH
Assistant Professors	ROBERT H. MORE J. E. PRITCHARD
Lecturers	W. H. MATHEWS W. E. TORESON F. W. WIGLESWORTH D. C. WILSON
Demonstrators	F. A. JAFFE J. D. RUBLEE
Sessional Demonstrator	M. A. SIMON
Fellows	J. W. BAWDEN, S. BENCOSME C. J. JONES, R. M. LEVINE

Required Courses

1. Course in General Pathology (Second Year).

   A. Two lectures per week (with epidiascopic and microscopic demonstrations) during the Winter and Spring terms (52 lectures).
   Professor Duff

   B. Two practical laboratory classes per week during the Spring Term (80 hours practical work).
   Dr. Toreson and Demonstrators

2. Course in Special Pathology (Third Year).

   A. Two lectures per week during the Autumn, Winter and Spring Terms (72 lectures).
   Professor Duff, Professor Waugh, Professor More, and Lecturers

   B. Two practical laboratory classes per week during the Winter and Spring Terms (96 hours practical work).
   Professor Duff and Staff

   C. One demonstration of gross pathological material per week to students in small groups of 15 each, during Autumn, Winter, and Spring Terms (36 hours).
   Lecturers and Demonstrators

3. Course in Applied Pathology (Third and Fourth Years.)

   A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter and Spring Terms (54 hours).....Professor Duff

   B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter, and Spring Terms. Time according to material.
   Pathological Institute..... Professor Duff and Dr. Wilson
   Montreal General Hospital....Dr. Pritchard and Dr. Mathews
   Children's Memorial Hospital.....Dr. Wiglesworth

Text-books:—MacCallum, A Text-Book of Pathology (Saunders); Karsner, Human Pathology (Lippincott); Boyd, Text-Book of Pathology (Lea & Febiger); Muir, Text-Book of Pathology (Arnold); Moore, Text-Book of Pathology (Saunders);

Reference Books.

General:—Bell, Text-Book of Pathology (Macmillan); Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Forbus, Reaction to Injury (Williams & Wilkins); Reimann,

Kaufmann's Pathology (Blakiston); Smith & Gault, Essentials of Pathology (Appleton Century); Ewing, Neoplastic Diseases (Saunders); Willis, The Spread of Tumours in the Human Body (Churchill);

Special:—Naegeli, Blutkrankheiten und Blutdiagnostik, (Julius Springer); Whitby & Britton, Disorders of the Blood (Churchill);

Biggart, Pathology of the Nervous System (Livingstone); Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders);

Novak, Gynæcological & Obstetrical Pathology (Saunders);

Geschikter & Copeland, Tumours of Bone (American Journal of Cancer);

Farber, The Post Mortem Examination (Charles Thomas); Mallory, Pathological Technique (Saunders); Saphir, Autopsy Diagnosis and technique (Hoeber).

BACTERIOLOGY AND IMMUNOLOGY

Professors.....E. G. D. Murray, *Chairman*
Frederick Smith

Assistant Professors.....D. S. Fleming
G. G. Kalz
C. D. Kelly
J. W. Stevenson

Lecturers.....J. de Vries
A. Leduc
A. M. Masson

Demonstrator
(*Teaching Fellow*).....M. J. Kahnke

Research Fellow.....Catherine MacPherson

Courses

All lectures and laboratory courses are given in the Department of Bacteriology (Pathological Institute).

1. Elementary Medical Bacteriology and Immunology.

30 Lectures and 63 hours practical work commencing September, 1st Medical Term 2nd Year.

Available to Medical students on the satisfactory completion of their studies in Anatomy, Physiology, Histology, and Biochemistry.

2. APPLIED MEDICAL BACTERIOLOGY AND IMMUNOLOGY AND THE PROCESSES OF INFECTIOUS DISEASES.

20 Lectures and 40 hours of demonstrations commencing November 15th, 2nd Medical Term 2nd Year.

3. BACTERIOLOGY AND IMMUNOLOGY for Honours B.Sc. Degree.

The class is limited in size and priority is given to Honours students in their fourth year. Students in the Faculty of Graduate Studies are admitted only if they have suitable qualifications and if there are vacancies.

77 Lectures and 308 hours practical work with 50 hours discussion periods throughout the year (3 full courses). Biochemistry 5 (lectures only) is compulsory. One other course is to be selected by the students.

6. BACTERIOLOGY AND IMMUNOLOGY for the M.Sc. Degree.

8. APPLIED BACTERIOLOGY FOR GRADUATE NURSES (Certificate Course).

22 Lectures and 19 hours practical work. Available only to students in the School of Graduate Nurses commencing October to December in the First Term.

9. PUBLIC HEALTH BACTERIOLOGY AND IMMUNOLOGY.

Available to Post Graduate students for the Diploma or Master's Degree in Public Health. In association with the Department of Health and Social Medicine.

10. SEMINARS ON APPLIED BACTERIOLOGY IN RELATION TO PARTICULAR NURSING PROBLEMS (Degree Course).

14 periods of 2 hours commencing January for 14 weeks in the second Term. Available only to nurses taking the Degree Course and on the successful completion of Course 8. Limited to 20 students.

Text-books:—Hans Zinsser and G. Bayne-Jones, Textbook of Bacteriology (Appleton); R. Muir and J. Ritchie, Manual of Bacteriology (Oxford University Press); R. T. Hewlett and James McIntosh, Manual of Bacteriology (Churchill); T. J. Mackie and J. E. McCartney, Practical Bacteriology (Livingstone); J. W. Bigger, Handbook of Bacteriology (Bailliere Tindall & Cox); Hans Zinsser, Resistance to Infectious Diseases (Macmillan); W. W. C. Topley and G. S. Wilson, The Principles of Bacteriology and Immunity (Edward Arnold & Co.); W. W. C. Topley, An Outline of Immunity (Arnold); M. Langeron, Precis de Microscopie (Masson & Cie); D. H. Bergey, Manual of Determinative Bacteriology (Williams & Wilkins); E. O. Jordan and W. Burrows, Text-Book of

Bacteriology (Saunders); Frederick P. Gay, Agents of Disease and Host Resistance (C. C. Thomas); N. P. Sherwood, "Immunology" (Mosby Co.); H. Zinsser, J. F. Enders, L. D. Fothergill, "Immunity Principles and Application in Medicine and Public Health" (Macmillan Co.); R. W. Fairbrother, A Text-book of Medical Bacteriology (W. Heineman, Ltd.); R. J. Dubos, "The Bacterial Cell" (Harvard University Press); K. Landsteiner, "The Specificity of Serological Reactions" (Harvard University Press); F. M. Burnet, "Virus as Organism" (Harvard University Press).

PARASITOLOGY

Professor.....T. W. M. Cameron, *Chairman*
Associate Professor.....M. J. Miller
Assistant Professor.....Donald Fairbairn
Lecturers.....L. P. E. Choquette, E. Munroe
Demonstrators.....

Required Courses

Second Year

2A. Human Parasitology.—This course on the animal parasites of man (protozoa, helminths and arthropods) comprises about 50 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics and pathogenesis as well as to the more important animal vectors of disease. Exotic forms are more briefly discussed. In the practical class, each student examines all the important species as well as the lesions caused by them.

First term—Two lectures and one laboratory period per week.

Elective Courses.—The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers didactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research).

Text-book:—Cameron, T. W. M., "The Parasites of Man in Temperate Climates" (*2nd edition*).

HEALTH AND SOCIAL MEDICINE

Strathcona Professor.....R. P. VIVIAN, *Chairman*

Assistant Professors.....D. C. BEWS
C. W. MACMILLAN

Lecturers.....H. E. BURKE
W. H. CRUICKSHANK
I. M. RABINOWITCH
GRAHAM ROSS
BARUCH SILVERMAN
MARION WALL

Demonstrator.....AGNES M. FERGUSON

The instruction in Health and Social Medicine given to the medical undergraduates is designed to meet the requirements of the practitioner in Medicine. The importance of the subject is kept before the student throughout his course. Particularly stressed are the needs and opportunities in preventive medicine, and its social implications.

It is the aim of the Department to correlate the teaching of preventive medicine with the teaching of other departments in their special fields.

In First Year, a presentation is given of the historical and contemporary background, and of the development of the public health system; the various plans for medical care are discussed.

The Second Year curriculum comprises didactic lectures, group work, and field trips. The subjects cover Sanitation, Water, Milk and Food Control, Nutrition, Medical Statistics, and the Control of Communicable Diseases.

In Third Year, the hygienes are introduced, and students see the practical application of the lectures by means of field trips to tuberculosis and venereal disease clinics, industrial plants, pre-natal, infant, and school hygiene services, the care of the aged, and the operation of the Student Health Service. In Third Year also are given lectures in Medical Jurisprudence and Industrial Toxicology.

In Fourth Year, it is hoped to maintain still closer contact with the students through small seminar groups, special studies, etc.

References:—Smillie, Mustard, Rosenau, Bradford-Hill.

TOXICOLOGY AND MEDICAL JURISPRUDENCE

A series of twenty-four lectures and demonstrations.

Professor Rabinowitch

Toxicology: 1. DEFINITIONS; 2. OCCURRENCE OF POISONING—Accidents. (Food. Industrial. Clothes and Cosmetics. Patent Medicines. Therapeutic. Other). Suicidal. Homicidal. 3. MODE OF ACTION OF POISONS: Modifying Causes—Form. Amount. Mode of Entry into Body. Age. Habit. Sleep. Physical Condition of Subject. Idiosyncracy. Other. 4. CLASSIFICATION OF POISONS. 5. ACUTE POISONING: Diagnosis—Similarity Between Poisoning and Disease. General Evidence of Poisoning. Rules for Diagnosis. TREATMENT: Principles. General Treatment. Antidotes—Limitations. 6. LEGAL: Control of Poisons—Dangerous Drugs Acts and Regulations. Relation of Doctor to Pharmacist. Administration of Noxious Drugs. Narcotics. 7. MEDICO-LEGAL CONSIDERATIONS IN CASES OF POISONING: Accident. Suicide. Murder. Duty of Doctor—In Suspected Cases. In Known Cases. Post-mortem examinations in Cases of Poisoning.

Medical Jurisprudence: A. 1. INTRODUCTION: Definitions—Law. Medicine. Forensic Medicine. 2. LEGAL POSITION OF DOCTORS. 3. OBLIGATION OF DOCTOR TO THE STATE: Medical Notifications and Certifications—Births. Stillbirths Infectious Diseases. Deaths. Other. 4. RESPONSIBILITIES TO PATIENT: Implied and Expressed Contracts. Professional Secrecy. Privileged Communications. Medico-legal Aspects of Physical Examinations—Consent. 5. MALPRACTICE: Civil. Criminal. Negligence. Contributory Negligence. Errors of Commission. Consultations. Responsibility for Assistants. "Reasonable Care and Judgment". B. LEGAL CRIMINAL PROCEDURE: 1. INVESTIGATION OF SUDDEN DEATHS AND DEATHS FROM UNNATURAL CAUSES—Coroner's Court. 2. MEDICAL EVIDENCE IN COURTS OF LAW: *a.* Documentary. *b.* Oral. *c.* Experimental. 3. GENERAL RULES OF CONDUCT FOR MEDICAL WITNESSES: Professional Secrecy. Privileged Communications. Precognitions. Fees. C. MEDICO-LEGAL ASPECTS OF DEATH: 1. Signs of Death. 2. Apparent Death. 3. Proximate Causes of Death. 4. Sudden Death. 5. Presumption of Death—Presumption of Survivorship. 6. Medico-Legal Forms of Death. 7. Post-Mortem Examinations for Medico-Legal Purposes. 8. Identification of the Dead. D. PERSONAL IDENTITY IN ITS MEDICO-LEGAL BEARINGS: For Civil Purposes. For Criminal Purposes. Mistaken Identity. E. BLOOD STAINS: Medico-legal information from Blood Stains. Blood Grouping. F. WOUNDS: 1. Legal Definition. 2. Types. 3. Medico-legal Examination of a Wounded Person. 4. Causes of Death from Wounds: 5. Wounds after Death. G. MEDICO-LEGAL ASPECTS OF PREGNANCY. H. ABORTION: Duty of Doctor in Cases of Suspected Criminal Abortion and in Cases of Known Criminal Abortion. I. IMPOTENCE AND STERILITY. J. RAPE. K. INFANTICIDE. L. MENTAL UNSOUNDNESS: Medical

Certification of the Insane. Protection of Certifying Physicians. Admission of Voluntary Patients to Institutions for the Insane. M. DRUNKENNESS: 1. Dianosis: Clinical. Chemical. 2. Medico-legal Aspects—Civil. Criminal.

Text and Reference Books:—Buchanan's Text Book of Forensic Medicine and Toxicology. Medical Jurisprudence and Toxicology—Glaister. Forensic Medicine—Kerr. Forensic Medicine—Littlejohn. Legal Medicine and Toxicology—Gonzales, Vance and Helpern. Toxicology—McNally. Forensic Medicine—Sydney Smith. Recent Advances in Forensic Medicine—Sydney Smith and Glaister. Taylor's Principles and Practice of Medical Jurisprudence.

PHARMACOLOGY AND THERAPEUTICS

Professor . . . . . R. L. STEHLE, *Chairman*
Associate Professor of Therapeutics . . . . . D. S. LEWIS
Associate Professor of Pharmacology . . . . . K. I. MELVILLE
Assistant Professor of Pharmacology . . . . . ————————
Lecturer in Therapeutics . . . . . W. DE M. SCRIVER

PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

REQUIRED COURSES

1A. PHARMACOLOGY. The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Three lectures a week during the Winter Term supplemented by one conference and one demonstration a week. Second Year.

The conference groups are limited to four students each.
Professors Stehle, Melville, and ————

1B. PHARMACOLOGICAL LABORATORY. The experiments are chosen to illustrate the lecture course.

Two periods (six hours) a week during the Winter Term. Second Year. Professors Stehle, Melville, and ————

THERAPEUTICS

The teaching of therapeutics will be closely linked with that of medicine.

REQUIRED COURSES

2. PHARMACY AND PRESCRIPTION WRITING. Five lectures and five laboratory periods. Dr. Scriver

3A. THERAPEUTICS: Didactic Instruction. A series of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

3B. THERAPEUTICS: Theatre Lectures. Fifteen clinical lectures to be given in the hospitals during the year in conjunction with the teaching of the Department of Medicine. Professor Lewis and Associates

Text-books in Pharmacology. Cushny, Sollmann, Clark, Thienes. *Text-books in Therapeutics.* Beckman, Lyon, Reiman, Goodman and Gilman.

OPTIONS

Suitably prepared students may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

MEDICINE

Professors: J. S. L. BROWNE, *Chairman*; G. R. BROW; E. S. MILLS

Associate Professors: K. A. EVELYN, E. H. MASON, I. M. RABINOWITCH

Assistant Professors: C. C. BIRCHARD, NEIL FEENEY, J. KEITH GORDON, MARTIN HOFFMAN, J. KAUFMANN, D. S. LEWIS, J. F. McINTOSH, H. S. MITCHELL, J. H. PALMER, BRAM ROSE, W. DE M. SCRIVER, C. J. TIDMARSH

Lecturers: L. J. ADAMS, MICHAEL ARONOVITCH, C. S. BARKER, R. C. BENNETTS, E. H. BENSLEY, J. O. W. BRABANDER, H. E. BURKE, R. A. CLEGHORN, G. A. COPPING, A. F. FOWLER,

Lecturers (Contd.): J. G. Howlett, W. R. Kennedy, Louis Lowenstein, W. G. McLellan, J. F. Meakins, D. L. Mendel, S. Ortenberg, C. J. Pattee, H. N. Segall, McIver Smith, A. T. Thom, S. R. Townsend, R. Vance Ward, Paul Weil, H. P. Wright

Demonstrators: D. Barza, F. M. Bourne, Wm. Cohen, H. I. Cramer, B. R. Cuddihy, W. W. Eakin, Alec Gordon, Guy Hamel, R. G. M. Harbert, A. W. Lapin, H. E. MacDermot, R. D. McKenna, Basil Robertson, Frances Selye, G. Shimo, C. B. Smith, G. E. Wight

DERMATOLOGY

Clinical Professors: J. F. Burgess, L. P. Ereaux

Lecturers: F. Kaltz, D. S. Mitchell, B. Usher

CLINICAL THERAPEUTICS

Associate Professor: D. S. Lewis

Assistant Professor: C. W. Fullerton

Lecturers: W. de M. Scriver, Guy Fisk (*Physiotherapy*)

THE CURRICULUM IN THE DEPARTMENT OF MEDICINE

Foreword

The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students, teachers, and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and clinical lectures are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

REQUIRED COURSES

SECOND YEAR

Course II 1—*Integration of Physiology, Biochemistry and Anatomy with Medicine.*

Time—Last term of Second Year—Two lectures a week and one amphitheatre clinic.

Place—Medical Building. Montreal Neurological Institute Theatre.

Subject Material—This course covers in a systematic manner the deviations from the normal of the physiological and biochemical functions. These are correlated so as to explain symptoms and signs which may be found on physical examination as detected by clinical methods dealt with in Course II 2. This course follows a chronological order from birth to old age and is so interpreted as to give the student a panoramic view of these disturbances with a proper perspective.

Professors————and Browne

Course II 2—*A Practical Course in Clinical Methods.*

Time—Last term of Second Year.

Place—Outpatient Departments of the Royal Victoria and the Montreal General Hospitals.

Subject—Practical instruction 4 hours a week on Normal and Abnormal Physical Signs and one amphitheatre clinic.

Course II 3—*Laboratory Diagnosis.*

Time—Last term of Second Year.

Place—Medical Building.

Subject—Instruction and practice 2 periods a week in microscopy as applied to clinical medicine.

Assistant Professor McIntosh and Assistants

Third Year

Course III 4—*Amphitheatre Clinics in General Medicine.*

Time—Once weekly throughout year.

Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

Course III 5—*Bedside Clinics and Practical Demonstrations.*

Time—Twice weekly during the medical trimester.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.

Course III 6—*Clinico-Pathological Conference*

Time—Weekly during the medical trimester.

Place—The Royal Victoria and the Montreal General Hospitals.

Course III 7—*Case Reporting.*

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope and have access to all other Laboratory and X-Ray findings.

Course III 8—*A Practical Course in Diseases of Metabolism.*

Time—Weekly during the medical Trimester.

Place—Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting Medicine.

Fourth Year

Course IV 9—*Amphitheatre Clinics in General Medicine.*

Time—Once a week throughout year.

Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating more complicated cases as compared to the third year.

Course IV 10—*Bedside Clinics and Practical Demonstration.*

Time—Twice weekly during medical quarter.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.

Course IV 11—*Clinico-Pathological Conference.*
Time—Once a week during medical quarter.
Place—Royal Victoria and the Montreal General Hospitals.

Course IV 12—*A systematic course of lectures designed to give a general survey of laboratory procedures and their interpretation.*

Course IV 13—*Clinical Therapeutics—practical bedside instruction.*
Time—Once a week during the medical quarter.
Place—Royal Victoria and the Montreal General Hospitals.

Course IV 14—*A Course of Lectures in Medicine.*
Time—One period a week throughout year.
Place—Medical Building.
Subject—Lectures in General Medicine to give a panorama of the subject. Professor ———— and Assistants

Course IV 15—*A course of lectures in Dermatology.*
Time—One period a week throughout the year.
Place—Medical Building.
Subject—Lectures in Dermatology and Syphilology.

Course IV 16—*Dermatology and Syphilology—practical instruction.*
Time—Twice a week during one quarter.
Place—Montreal General and Royal Victoria Hospitals.

Text and Reference Books

Clinical Methods and Physical Diagnosis:—Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Major, "Physical Diagnosis"; Murray, "Examination of the Patient"; Gradwohl, "Clinical Laboratory Methods and Diagnosis"; Hutchison and Hunter, "Clinical Methods"; Cabot & Adams, "Physical Diagnosis"; Department of Medicine, McGill University, "Guide to Medical Case Reporting".

General Medicine:—McLeod, "Physiology in Modern Medicine"; Best and Taylor, "Physiological Basis in Medical Practice"; Meakins, "Practice of Medicine"; Cecil, "Text Book of Medicine"; Davis, "Cyclopedia of Medicine"; White, "Heart Disease"; Norris and Landis, "Diseases of the Chest"; Eusterman and Balfour, "Stomach and Duodenum"; Hurst and Stuart, "Gastric and Duodenal Ulcer"; Joslin, "Diabetic Manual"; "Treatment of Diabetes Mellitus"; McLester, "Nutrition and Diet in Health and Disease"; Peters and Van Slyke, "Quantitative Clinical Chemistry"; Vol. 1, Interpretations; Kurzrok, "The Endocrines in Obstetrics and Gynæcology"; "Pharmacopœa of the Teaching Hospitals".

Dermatology:—Walker, "Introduction to Dermatology"; MacLeod, "Diseases of the Skin"; Sutton and Sutton, "Diseases of the Skin"; Ormsby, "Diseases of the Skin".

PSYCHIATRY

Professor . . . . . D. E. CAMERON, *Chairman*

Assistant Professors . . . . .
- R. A. CLEGHORN
- F. R. HANSON
- R. B. MALMO
- A. E. MOLL
- MIGUEL PRADOS
- G. E. REED
- BARUCH SILVERMAN
- KARL STERN

Lecturers . . . . .
- T. E. DANCEY
- A. A. MCKAY

Demonstrators . . . . .
- SAUL ALBERT
- J. BEAUBIEN
- WALTER BREMNER
- H. HERSHON
- LLOYD HISEY
- H. LEHMAN
- C. A. SKITCH
- M. STRAKER

REQUIRED COURSES

1. PSYCHOBIOLOGY—A course of twelve lectures will be given in the first year. In this course, the various aspects of human behaviour will be stressed, with special reference to their relationship to medicine. Professor Cameron

2. PSYCHIATRY—Eighteen lectures on the basis behavioral disorders will be given. During the second year both those disorders which require hospitalization and those which can be dealt with on an ambulant basis will be considered. Professor Reed and Assistants

3. 70 hours of clinical instruction will be given during the third year. This instruction will be held primarily on the wards of the teaching hospitals and in the Out Patient Departments. Professors Cameron, Prados, and Moll, and Dr. Dancey

4. A course of eight lectures will be given on child psychiatry during the fourth year. Professor Silverman

5. Clinical demonstrations, out-patient instruction and ward rounds will be held during the fourth year. Certain of these will be devoted to early behavioral disturbances, psychosomatic and toxic states, and drug addictions. Professors Cameron, Stern, and Cleghorn

6. Instruction will be given in adult out-patient psychiatry in the Psychiatric Outdoor Department in the Royal Victoria Hospital, and in child out-patient psychiatry at the Mental Hygiene Institute.
Professors Prados and Silverman

7. Instruction in the care of long term cases, and institutional psychiatry, will be given at the Allan Memorial Institute and Verdun Protestant Hospital. Professor Reed and Drs. Skitch and Lehman

PAEDIATRICS

Professor ..... ALTON GOLDBLOOM, *Chairman*

Associate Professors ..... L. M. LINDSAY, S. G. ROSS

Assistant Professors ..... A. K. GEDDES, ALAN ROSS

Lecturers ..... H. L. BACAL, P. N. MACDERMOT, JESSIE SCRIVER, E. M. WORDEN

Demonstrators ..... B. BENJAMIN, H. FRIEDMAN-BRICKMAN, R. L. DENTON, S. I. DOUBILET, D. KLEIN, FRANCES MCCALL, D. R. MCCRIMMON, J. H. O'NEILL, F. SHIPPAM, CAMERON STEWART, S. J. USHER, ISOBEL WRIGHT

REQUIRED COURSES

1. LECTURES:

(a) An Introductory course of 10 lectures in the winter term of the second year covering physical and mental development of the infant and child, the bases of nutritional requirements of the growing child, mineral and water metabolism, the embryology of congenital defects.

(b) A series of 36 lectures once weekly during the third year designed to cover the various aspects of Diseases of Children; Nutrition, Hygiene, Infections, Communicable Diseases, Preventive Medicine etc. Professor Goldbloom and Staff

2. DISEASES OF THE NEWBORN: Royal Victoria Maternity Pavilion.
A weekly clinic-demonstration to groups of students of the third year during their obstetrical quarter.
Professors Goldbloom, G. Ross, Geddes, and A. Ross, and Drs. Scriver and Worden

3. CLINICAL PAEDIATRICS:

(a) During the third year the class is divided into groups, each group devoting the mornings of six weeks to Clinical instruction at the Children's Memorial Hospital.

(b) Groups during the final year will spend four weeks entirely at the Children's Memorial Hospital as clinical clerks under tutors—3 or 4 students to each tutor. Work will be divided between the wards and the out-patients department.

Professors Goldbloom, G. Ross, A. Ross, and Geddes, and Staff

(c) Care and feeding of the normal infant, immunization procedures, preventive paediatrics; Child Welfare Clinics.

Drs. Scriver, Usher, Doubilet, and Benjamin

(d) Infectious Diseases.

A series of demonstrations to groups of students on the common infectious diseases is given at the Alexandra Hospital as part of the instruction of the final year. Drs. Worden and Stewart

Text-books: Holt and McIntosh, "Diseases of Infancy and Childhood"; Mitchell and Nelson, "Diseases of Infants and Children"; Porter and Carter, "Management of the Sick Infant and Child"; Smith, "Physiology of the New Born Infant"; Bakwin, "Psychologic care during infancy and childhood."

Reference Books: Brenneman, "Practice of Paediatrics" (4 volumes); Parsons and Barling, "Diseases of Infancy and Childhood" (2 volumes); Langdon, "Home Guidance for Young Children"; Abt's "Paediatrics" (8 volumes); Still, "Common Disorders and Diseases of Childhood"; John Thomson, "Clinical Study and Treatment of Sick Children"; Von Reuss, "Diseases of the New Born"; Gesell, "The Embryology of Behaviour"; Patten, "Human Embryology"; Brown and Tisdall, "Common Procedures in Paediatrics"; Goldbloom, "Care of the Child".

DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

Professor of Neurology and Neurosurgery	WILDER PENFIELD, *Chairman*
Associate Professor of Neurosurgery	WILLIAM CONE
Associate Professor of Neurology	DONALD MCEACHERN
Assistant Professors of Neurology	FRANCIS MCNAUGHTON ARTHUR W. YOUNG
Assistant Professor of Neurosurgery	ARTHUR ELVIDGE
Assistant Professor of Neurological Radiology	DONALD MCRAE
Assistant Professors of Experimental Neurology	K. A. C. ELLIOTT HERBERT JASPER
Lecturers in Neurology	JOHN KERSHMAN J. PRESTON ROBB
Demonstrator in Neurology	LAMAR ROBERTS
Demonstrators in Neurosurgery	HAROLD W. ELLIOTT FRANCIS O'BRIEN W. KEASLEY WELCH
Demonstrators in Neuropathology	MAITLAND BALDWIN HARRY STEELMAN
Demonstrator in Neuroanatomy	C. MILLER FISHER
Research Fellow (Faculty of Graduate Studies and Research)	BORIS BABKIN
Fellows of the Montreal Neurological Institute	JOHN BATES GUY COURTOIS DANA DARNLEY H. F. FLANIGIN R. G. GINDE* CLARENCE GREENE** J. W. HANBERRY JOHN HUNTER W. C. KITE ROBERT KNIGHTON*** KRISTIAN KRISTIANSEN J. W. MARKHAM JOHN MEYER JERZY OLSZEWSKI J. PANET-RAYMOND R. RABINOVITCH J. W. SCOTT NORMAN SLOAN J. G. STRATFORD J. VASQUEZ J. E. ZIEGLER***

*Indian Government Fellowship
**Rockefeller Fellowship
***U.S. National Research Council Fellowship

Outline of Courses, 1948-49

Second Year

2A *(Anatomy 2) Neuroanatomy.* Lectures and laboratory. Department of Anatomy. Assistant Professor McNaughton and Dr. Fisher

2B *Clinical Neuroanatomy and Neurophysiology.* 4 lectures. Department of Medicine. Assistant Professors McNaughton and Jasper

2C *Physical Examination of the Nervous System.* 2 theatre clinics. Department of Medicine (1 at M.G.H, 1 at R.V.H.). Dr. Robb

Third Year

3A *Survey of Neurology and Neurosurgery.* 24 lectures. Saturdays, 8:45-9:40. M.N.I. Amphitheatre.
Professor Penfield and Assistant Professor McNaughton

Fourth Year

4A *Neurological and Neurosurgical Clinics.* 20 theatre clinics. Saturdays, 10:00-11:00. M.N.I. Amphitheatre.
Associate Professors Cone and McEachern

4B-1 *Neurological O.P.D.* R.V.H. Outpatient Department. Monday and Thursday*, 2:00-3:00.
Associate Professor McEachern and Assistants

4C-1 *Neurology Ward Classes.* Department of Medicine. Wednesdays, 8:45-9:45 (R.V.H. group). Assistant Professor Young

4B-2 & 4C-2 *Combined Neurological O.P.D. and Ward Classes.* M.G.H. Mondays and Fridays, 2:00-3:00 (M.G.H. group).
Assistant Professor McNaughton and Assistants

4 D-1 *Neurosurgery Ward Classes.* Department of Surgery. M.N.I. (R.V.H. group). Mondays, 1:00-2:00.
Associate Professor Cone and Assistants

4D-2 *Neurosurgery Ward Classes.* Department of Surgery. M.N.I. (M.G.H. group). Thursdays, 1:00-2:00.
Assistant Professor Elvidge and Assistants

4E-1 *Neurology Seminar.* R.V.H. Outpatient Department. Tuesdays, 3:45-4:45. Assistant Professor McNaughton and Dr. Robb

4E-2 *Neurology Seminar.* M.G.H. Outpatient Department. Fridays, 3:00-4:00. Assistant Professor McNaughton and Dr. Robb

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*Two Thursdays per month only.

ELECTIVE COURSES.

A. *Seminar in Neuroanatomy.* M.N.I. 4 hours weekly (12 weeks).
1. Lectures, demonstrations and discussions.
2. Construction of brain model by selected group.
Two evenings, beginning in November.
Assistant Professor McNaughton

B. *Seminar in Neurophysiology.* M.N.I. 3 hours weekly (12 weeks). Laboratory demonstrations, lectures and discussions. Mondays, 5-6 and 8-10, beginning in November.
Assistant Professor Jasper and Dr. Babkin

C. *Colloquium in Clinical Neurology.* 2 hours weekly. Clinics and lectures. Wednesdays, 5 P.M., M.N.I.
Assistant Professor McNaughton

D. *Colloquium in Neurosurgery and Electroencephalography.* M.N.I. 1 hour weekly. Fridays, 4 P.M. (10 months).
Professor Penfield and Assistant Professor Jasper

SURGERY

Professor	G. GAVIN MILLER, *Chairman*
Associate Professors	J. C. ARMOUR, H. M. ELDER, R. R. FITZGERALD, D. E. ROSS, A. L. WILKIE
Assistant Professors	H. L. DAWSON, MERCIER FAUTEUX, C. M. GARDNER, J. C. LUKE, C. A. MCINTOSH, D. W. MACKENZIE, JR.
Lecturers	S. J. MARTIN, H. S. MORTON, H. F. MOSELEY, ALBERT ROSS, P. G. ROWE, A. J. STEWART, H. A. BAXTER, S. G. BAXTER, H. S. DOLAN, JOHN GERRIE, MARK KAUFMANN, G. D. LITTLE, E. A. MCNAUGHTON, H. G. PRETTY, A. M. VINEBERG, D. R. WEBSTER
Demonstrators	F. D. ACKMAN, A. R. BAZIN, E. H. CAYFORD, E. M. COOPER, W. M. COUPER, G. A. HOLLAND, R. M. LAWSON, C. K. MCLEOD, W. W. RUDDICK, J. C. SUTTON

ORTHOPAEDIC SURGERY

Assistant Professors: J. G. Petrie, J. G. Shannon

Demonstrators: W. G. Breckenridge, J. J. Dinan, S. E. Goldman, G. H. Raymond, J. A. L. Walker, F. W. Woolhouse

UROLOGY

Clinical Professors: R. E. Powell, E. S. Smith

Lecturers: A. B. Hawthorne, S. A. MacDonald, R. G. Reid, M. I. Seng

Demonstrators: J. T. MacLean, Max Ratner, Alex. Strasberg, A. M. J. Tanney

Required Courses

Second Year

Surgical teaching begins in the spring term (16 weeks) of the Second Year. In this year special attention is directed to the instruction and training of the student, in proper methods of physical examination, from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

2A. *A course of lectures* (16) covering the history of Surgery and an introduction to the study of surgical diseases. This course includes lectures on "First Aid."

2B. *Group classes* in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

Third Year

The student comes into a more intimate contact with the patients, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, and assists at operations.

*3A. *Amphitheatre Clinics and Demonstrations* in the Montreal General and Royal Victoria Hospitals, two days a week throughout the year.

3B. *Group Ward classes* in the Montreal General and the Royal Victoria Hospitals, three times a week during the term.

3C. *Case Reporting.* Patients are allotted to students who act as reporters, dressers, and assistants at operations.

FOURTH YEAR

*4A. *Amphitheatre Clinics and Demonstrations* in the Montreal General and Royal Victoria Hospitals alternately, once a week throughout term.

4B. *Group Ward Classes and Ward rounds* in the Montreal General and Royal Victoria Hospitals, four times a week during the surgical quarter.

4C. *Case Reporting*

4D. *Clinico-Pathological conferences* once a week during the term, jointly with the Department of Pathology, at the Montreal General and Royal Victoria Hospitals.

SURGICAL DISEASES OF CHILDREN.—Instruction in the surgical diseases of children is given during the trimester in which the students are assigned to pædiatrics at the Children's Memorial Hospital, as follows:—

4A. *Amphitheatre Clinics* once a week throughout trimester.

4B. *Group Ward Classes* three times a week throughout trimester.

ORTHOPAEDIC SURGERY

FOURTH YEAR

4A. *Clinical Lectures.* A course of 8 lectures given at the hospitals.

4B. *Ward Classes* at the Montreal General and Royal Victoria Hospitals, once a week during the surgical trimester.

4C. *Group Classes in the Out-door Department* of the Montreal General and Royal Victoria Hospitals, twice a week during the surgical trimester.

ANAESTHESIA.—Instruction in anæsthesia is given by the Department of Pharmacology and Clinical Therapeutics. Students are given practical instruction in the administration of anæsthetics, during their surgical trimesters in the Third and Fourth Years at the Montreal General and Royal Victoria Hospitals.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology and Bacteriology.

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*Amphitheatre Clinics 3A and 4A are so arranged that all surgical subjects are presented during the two year course.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

SECOND YEAR — UROLOGY

2A. *Clinical Urology*

Group classes, 4 demonstrations, in which instruction in methods of Urological examination is given in the Montreal General and Royal Victoria Hospitals.

(See Surgery—2B).

FOURTH YEAR

4A. *Clinical Lectures*—a course of theatre clinics in each of the hospitals.

4B. *Urological Clinics*—Ward Classes

The Montreal General Hospital—3 classes a week.
Royal Victoria Hospital—3 classes a week

4C. *Case Reporting in Urological Wards.*

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics, and demonstrations and group teaching in the wards and out-patient departments of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

Text-books:—

1. *General Surgery:* John Homans, "A Text-book of Surgery"; Choyce, C. C., "A System of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery"; Christopher; Cole and Elman; Romanis and Mitchener; Handfield, Jones and Porrett, "The Essentials of Modern Surgery"; Rose and Carless, "Manual of Surgery"; Berman's Synopsis of Principles of Surgery; Pack and Livingston's "Treatment of Carcinoma"; Christopher's "Minor Surgery".

2. *Emergency Surgery:* Sluss, John W., "Manual of Emergency Surgery"; Cole & Puestow, "Advanced First Aid".

3. *Surgical Anatomy:* McGregor, "Synopsis of Surgical Anatomy"; Treves, "Surgical Applied Anatomy".

4. *Fractures and Dislocations:* Scudder, Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations"; Magnuson's "Fractures"; Stimson's "Manual of Fractures and Dislocations"; Wilson's "Management of Fractures"; Key and Conwell's "Fractures and Dislocations"; Watson Jones "Fractures and other Bone and Joint Injuries"; Key and Conwell, "Fractures, Dislocations and Sprains"; Eve's Handbook of Fractures.

5. *Case Reporting:* White, J. Renfrew, "The Clinical Examination of Surgical Cases"; Geckeler's "Fractures and Dislocations."

6. *Urology:* Eisendrath and Rolnick's "Urology"; Herman's "Practice of Urology"; Hinman's "Principles and Practice of Urology"; Keyes and Ferguson's "Urology"; Young's "Practice of Urology"; Le Comte's Manual of Urology.

7. *Orthopædic Surgery:* Whitman's "Orthopædic Surgery"; Jones, "Orthopædic Surgery of Injuries"; Jones and Lovett, "Orthopædic Surgery"; Mercer's "Orthopædic Surgery"; Willis Campbell's "Orthopædic Operations"; Sever's "Handbook of Operative Surgery"; Steindler's "Orthopædic Operations".

DEPARTMENT OF ANAESTHESIA

Assistant Professor ..... Wesley Bourne, *Chairman*

Assistant Professors ..... C. C. Stewart, F. A. H. Wilkinson

Lecturers ..... R. S. Ferguson, H. R. Griffith, C. R. Stephen, W. C. Stockwell

Demonstrators ..... W. G. Cullen, R. G. B. Gilbert, J. J. Kelly, P. E. O'Shaughnessy, A. M. Torrie

Undergraduates

Students in Medicine, before their third year will have been introduced to the subject of Anæsthesia by the teachers in Anatomy, Biochemistry, Pharmacology, and Physiology.

During the Third Year, ten lectures are given. All of these lead on from the academic to the clinical aspect. In these lectures sound motion pictures are shown. As time goes on, reading matter is prescribed.

At the end of the third year students are required to be certified as having fulfilled the requirements of the department.

In the final year each undergraduate student spends at least six days with an anaesthetist and acts as his assistant.

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

Professor ..... N. W. PHILPOTT, *Chairman*

Associate Professor ..... A. D. CAMPBELL

Assistant Professors ..... W. A. G. BAULD, J. S. HENRY, G. C. MELHADO, G. A. SIMPSON

Lecturers ..... W. R. FOOTE, P. J. KEARNS, K. T. MACFARLANE, G. B. MAUGHAN, I. Y. PATRICK, ELEANOR PERCIVAL, D. W. SPARLING, CLIFFORD WARD

Sessional Lecturer ..... GEORGE STREAN

Demonstrators ..... J. E. AYRE, S. GOLD, M. HENDELMAN, H. T. LYON, J. L. MACARTHUR

A. A. Browne Fellow and Demonstrator ..... GRACE DONNELLY

Teaching Fellows ..... H. OXORN, THOMAS PRIMROSE

Research Fellow ..... J. H. MALONEY

The entire course is arranged on the basis of imparting a practical knowledge of Obstetrics, Gynæcology, and the Care of the New-born. The value of intimate contact with the patient in the normal and the pathological state is stressed.

The privilege of serving as an interne in the hospital for two weeks treating the patients from the time of admission till discharge from hospital is an ideal arrangement. Rooms are provided in the Women's Pavilion where the students may reside, in groups of six, during this period.

OBSTETRICS

REQUIRED COURSES

SECOND YEAR

Sixteen lectures are given as an introduction to the subject. These lectures are relative to the anatomy and physiology of the genital tract. The physiology of pregnancy is also described. Professor Philpott

THIRD YEAR

1. Nineteen lectures describe the physiology of labor and the puerperium. The major pathological lesions relative to parturition are described.
Senior Members of the Staff

2. Thirty demonstrations are given in Obstetrical palpation and on the manikin, with the aid of models, diagrams, lantern slides and moving pictures. Given by Members of the Staff

3. Clinical instruction for twelve periods in case-rooms and wards.
Given by Members of the Staff

4. Ten lectures concerning early development of the embryo and the histopathology of the genital organs.
Given by Members of the Staff

5. Ten lectures or demonstration periods relative to the care of the Newborn. Professor Goldbloom and Professor Ross

FOURTH YEAR

1. Thirty-five Clinical Conferences for all Fourth Year students, Wednesday, 12:45 to 1:45 p.m., illustrating the more important Obstetrical conditions. Professor Philpott

2. General Ward Rounds held once a week are arranged to give a complete account of the work of the hospital. This is attended by those students in the current Obstetrical Course. Professor Philpott

3. Thirty lecture demonstrations are held in the Lecture Theatre or Case Room on the following subjects:

Normal Labour	Professor Philpott
Dystocia	Professor Melhado
Hæmorrhage	Professor Henry
Puerperal Infection	Professor Campbell
Toxæmia of Pregnancy	Dr. Patrick

4. Fourteen instructions periods chiefly concerning ante-natal care including conduct of pregnancy, labour etc.
Given by Senior Members of the Staff

GYNAECOLOGY

1. Theatre clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals.
Professors Philpott and Campbell and Staff

2. A special course on Gynæcological Pathology.
Dr. Kearns and Staff

3. Methods of Gynæcological examination, diagnosis and treatment in the outdoor departments.

4. A special course of instruction, once a week, through the year in the cancer clinic on methods of diagnosis and treatment of cancer, dealing especially with Radium and X-Ray.

Professor Bauld and Staff

Text and Reference Books

Obstetrics

(1) De Lee-Greenhill	Principles and Practice of Obstetrics.
(2) Stander	Text book on Obstetrics.
(3) Bland	Practice of Obstetrics.
(4) Miller, J.	Manual of Obstetrics.
(5) Appleton	Obstetrical and Gynaecological Monographs.
(6) Irving	Text book on Obstetrics.
(7) Beck	Obstetrical practice.
(8) Adair	Obstetrics.
(9) Scott and Van Wyck	The Essentials of Obstetrics and Gynaecology.

Gynaecology

(1) Curtis	Text book of Gynæcology and System of Gynæcology and Obstetrics.
(2) Ten Teachers	Diseases of Women.
(3) Monroe Kerr	Gynæcology.
(4) Goodall	Puerperal Infection.
(5) Crossen	Gynæcology.
(6) Kennedy, Campbell	Vaginal Hysterectomy.
(7) Novak	Text book of Gynæcology.

OPHTHALMOLOGY

Professor.....J. A. MacMillan
Associate Professor.....G. Stuart Ramsey, *Chairman*
Assistant Professor.....J. Rosenbaum
Lecturers.....B. Alexander, K. B. Johnston, J. V. V. Nicholls, R. J. Viger
Demonstrator.....L. S. S. Kirschberg

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses in the Third and Fourth Year of the Medical Course:—

THIRD YEAR

1. ROUTINE EXAMINATION OF THE EYE.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours..... Professor MacMillan and members of the Staff

2. LECTURE DEMONSTRATIONS TO ENTIRE CLASS.

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the Final Year.

Ten hours..... Professor MacMillan

FOURTH YEAR

CLINICAL OPHTHALMOLOGY.

This teaching is conducted in the Ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals. The class is divided into groups of ten, each group receiving twenty-five hours instruction. Ocular problems that are of greatest moment in general practice are discussed. This includes the external diseases of the eye, the main ophthalmological findings in systemic disorders, affections of the nervous system, and as far as possible a co-relation of the clinical and histological ocular changes.

Professor MacMillan and members of the Staff

Text-books:—May, Gifford, Parsons, Berens.

Reference books:—Duke-Elder.

OTO-LARYNGOLOGY

Associate Professors	D. H. BALLON, *Chairman* G. E. HODGE
Assistant Professors	A. O. FREEDMAN K. O. HUTCHISON W. J. MCNALLY G. E. TREMBLE
Lecturers	E. E. SCHARFE E. A. STUART
Demonstrators	W. CHAPIN H. E. MCHUGH F. W. SHAVER

Instruction in Oto-Laryngology is given to students of the third and fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

THIRD YEAR

A course of 5 demonstrations is given to students of the Third Year. These demonstrations deal with the normal anatomy of the ear, nose, and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose, and throat. Ward rounds are made to illustrate the pre- and post-operative methods of treatment.

Lecture Course:

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the œsophagus.

FOURTH YEAR

Sixteen clinical demonstrations are given in the out-patient departments and wards of the hospital. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

Text and Reference Books:—Sir St. Clair Thomson and Negus: Diseases of the Nose and Throat; Ballenger: A Manual of Otology, Rhinology and Laryngology—MacMillan Co. of Canada Ltd, Toronto, Ont; Geo. D. Wolfe: Ear, Nose and Throat; J. B. Lippincott Co; Jackson and Jackson: Diseases of the Nose, Throat and Ear: W. B. Saunders Co.; Chevalier Jackson: Bronchoscopy, Oesophagoscopy and Gastroscopy—W. B. Saunders Co.; D. H. Ballon: Chapters on Bronchoscopy and Oesophagoscopy in Surgical Diseases of the Chest by Evarts A. Graham, J. J. Singer, Harry C. Ballon.

RADIOLOGY

Associate Professor . . . . . CARLETON B. PIERCE, *Chairman*

Assistant Professors . . . . . J. J. L. BOUCHARD, J. W. MCKAY, D. L. MCRAE

Demonstrators . . . . . N. M. BROWN, G. I. NORTON, J.-CHS. ROBITAILLE

FIRST YEAR

In co-operation with the Department of Anatomy, demonstrations are given of the Roentgenologic anatomy of the skeletal, respiratory, gastrointestinal, and urogenital systems, including fluoroscopic demonstrations of functional anatomy of joints, the thoracic viscera, and the alimentary tract.

Associate Professor Peirce and Staff

SECOND YEAR

INTRODUCTION TO RADIOLOGY

In co-operation with the Department of Medicine (Course II 2) as an introduction to special methods in Physical Diagnosis, the various means of Radiologic examination are demonstrated to small groups of students in the Montreal General Hospital and the Royal Victoria Hospital. The fluoroscopic and roentgenographic methods of study of the cardio-respiratory and gastro-intestinal systems especially are compared with the clinical means in physical examination.

Associate Professor Peirce and Staff

THIRD YEAR

III ROENTGEN PATHOLOGY AND RADIATION THERAPY:

A course of 24 lectures presenting the general features of rœntgen interpretation, systemic rœntgen pathology, and the principles of rœntgen and radium therapy.

Associate Professor Peirce, Assistant Professors Bouchard, McKay and McRae, and Dr. Norton

FOURTH YEAR

IV-A CLINICAL RADIOLOGY:

(1) A course of six lectures on special clinical applications of rœntgen rays and radium radiation.

Associate Professor Peirce and Members of the Staff

IV-A (2) Conference periods, two hours weekly each quarter during which the students in the several hospitals discuss clinical case material with the Members of the Department.

Children's Memorial Hospital—Asst. Professor McRae
Montreal General Hospital, Asst. Professor McKay, and Staff
Royal Victoria Hospital—Assoc. Professor Peirce,
Asst. Professor Bouchard, and Staff

IV-A (3) Tumour Conference: The final year students attend Tumour or Neoplasm Conferences in the several teaching hospitals, wherein all means of diagnosis and treatment of malignant neoplasms, especially, are considered by representatives of all departments of the teaching staffs and their experience reviewed.

POST-GRADUATE INSTRUCTION.

Post-graduate training prerequisite to certification in the specialty by the Royal College of Physicians and Surgeons (Canada) or the American Board of Radiology is available in the teaching hospitals to selected graduates of approved Faculties or Schools of Medicine. Details of the Post-Graduate Course leading to the Diploma in Radiology of the Faculty of Medicine will be found in the Special Announcement concerning Courses of Graduate Instruction, Faculty of Medicine. Inquiries should be addressed to the Chairman of the Department.

Text and Reference Books:—Rœntgen Interpretation, Holmes and Ruggles; Text Book of Radiology, Shanks, Kerly and Twining; Diagnostic Radiology, Golden (et al); Head and Neck in Rœntgen Diagnosis, Pancoast, Pendergrass and Schaeffer; Rœntgenology, Kohler; Urological Rœntgenology, Wesson and Ruggles; Clinical Rœntgenology of the Cardiovascular system, Roessler; The Digestive Tract, Barclay; Theoretical Principles of Rœntgen Therapy, Pohle; Clinical Rœntgen Therapy, Pohle; Physical Foundations of Radiology, Glasser, Quimby, Taylor and Weatherwax.

GRADUATE INSTRUCTION

1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.

2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is $30.00 a term (10 weeks).

A Diploma of Public Health and a Diploma of Tropical Medicine are granted by McGill University.

These courses are being conducted by the Department of Health and Social Medicine with the collaboration of other departments in the Faculty of Medicine and the assistance of members of other faculties in the University who have a special interest in this field. Practical instruction and application are made possible through the cooperation of the Department of Health of Montreal and voluntary health agencies.

The Department of Health and Social Medicine is housed in its new quarters at 490 Pine Avenue West, within easy access of the Medical Building. The building contains ample accommodation for lectures, seminars, and demonstrations. In addition to the excellent facilities of the Library of the Faculty of Medicine, which are at the disposal of students, the Department has its own library and reading-room. The building is also the headquarters of the Student Health Service.

DIPLOMA OF PUBLIC HEALTH

The course is designed to train graduates in medicine in the increasingly wider concept of the public health service. It includes:

Sociology, with special reference to the practice of Medicine;

Statistical Methods from the point of view of providing an understanding of the fundamental principles of statistics as they are applied to medical science for the critical analysis of surveys and reports; instruction is given in carrying on research involving statistical techniques;

Vital Statistics, including Biometrics, stressing the importance of the accurate recording of essential data, observations, and other findings, together with their practical significance and application;

Epidemiology as defined in its broadest sense, including communicable disease control and the assessment of morbidity in non-communicable diseases;

PUBLIC HEALTH LAW and its administration;

HYGIENE OF THE ENVIRONMENT, including Sanitation, Housing, and Nutrition; Physiological Hygiene;

INDUSTRIAL TOXICOLOGY AND INDUSTRIAL HYGIENE;

HYGIENES (Physical and Mental): Maternal, Infant, Pre-School, School, and Adult;

BACTERIOLOGY, PARASITOLOGY, AND IMMUNOLOGY, as related to public health practice;

SOCIAL AND ECONOMIC FACTORS in Health; programs designed to deal with them;

PUBLIC HEALTH PRACTICE: The organization and administration of public health programs, including Preventive Medicine, especially as they pertain to the public health agency, the family physician, and the social worker;

FIELD WORK: A period of three months' approved field work must be undertaken before the Diploma is granted. Facilities are available in fields of special interest, such as Tuberculosis, Venereal Disease, School Health, etc.

Candidates for the Diploma of Public Health must be graduates in Medicine of a recognized university.

The Diploma of Public Health course covers one academic year from September 15, 1948, to the end of April, 1949, with three months' additional field work.

The Fee for the Diploma of Public Health is $250.00, a portion of which—$25.00—the candidate is requested to deposit on acceptance of his application.

Registration is from September 13 to 20, 1948.

DIPLOMA OF TROPICAL MEDICINE

Tropical Medicine is coming to occupy a prominent place in medical education in North America as a direct outcome of the war and the rapid advance of aeroplane travel.

The present course in Tropical Medicine is a development of the short course given during the war to members of the armed forces. It has been revised and adjusted to post-war conditions.

The course of didactic instruction occupies a full academic year. Classes for the first term are in common with those for the Diploma in Public Health. Those for the second term are held at the Institute of Parasitology at Macdonald College of McGill University. The teaching collection at the Institute is a large and representative one. The work is practical as well as theoretical, and includes a study of Parasitology and Medical Entomology, laboratory diagnoses of tropical and sub-tropical diseases, and lectures on the diseases of the tropics, on tropical hygiene, and minor sanitation.

Clinical instruction must, of necessity, be limited in temperate climates. This aspect is, therefore, deferred to the final part of the course which is given in the tropics at the conclusion of the didactic instruction. The course consists of clinical and field work for which arrangements have been made with Georgetown, British Guiana, Port of Spain, Trinidad, and Venezuela.

Candidates for the Diploma of Tropical Medicine must be graduates in medicine of a recognized university. Certain additional courses may be required of those who are not recent graduates or of those who have not had sufficient clinical practice.

The Fee for the Diploma of Tropical Medicine is $250, or $50.00 if preceded by the D.P.H. course at McGill University, or $100.00 for those who have taken the D.P.H. elsewhere.

BUILDINGS

THE MEDICAL BUILDING

This building, erected in 1911, at a cost of over $600,000, contains the Offices of Administration, the Medical Library (with its 74,000 volumes, its Reading Rooms and their complete set of technical journals), the Department of Anatomy, and the Museums of Anatomy and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The Laboratories for Histology and Embryology have excellent facilities with space for 120 students, and smaller rooms for research.

THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over $500,000, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Genetics, Biochemistry, Physiology, and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neuro-surgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, laboratories, etc., the building provides complete residential accommodation for six research fellows.

THE ALLAN MEMORIAL INSTITUTE

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building has been reconstructed to permit of the establishment of a fifty bed unit, together with extensive research laboratories, and was officially opened July 12th, 1944. Plans have been drawn up for the carrying out of undergraduate and postgraduate teaching in the Faculty of Medicine.

HOSPITALS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital

Montreal General Hospital

Children's Memorial Hospital

Alexandra Hospital for Infectious Diseases

Verdun Protestant Hospital

Royal Edward Laurentian Hospital

The Royal Victoria Montreal Maternity Hospital

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 3,000 beds.

THE ROYAL VICTORIA HOSPITAL, in juxtaposition to the University buildings, is a general hospital for acute diseases and contains 693 beds and 96 cribs. In a typical year, it cared for 16,637 cases, while in its out-door department 68,994 cases were treated. Many new additions have been made in the Hospital. A modern University Medical Clinic was established in 1924.

There were 66.2% post-mortems.

The number of resident physicians is 70.

THE ROYAL VICTORIA-MONTREAL MATERNITY PAVILION, with 214 beds for obstetrical and gynæcological cases, was opened in June, 1926. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for 2,252 confinements in the Hospital and 210 in the Out-patient Service. In the gynæcological section, 1,803 cases were admitted during the year.

There are ten resident physicians.

THE MONTREAL GENERAL HOSPITAL, CENTRAL AND WESTERN DIVISIONS, is a general hospital for the treatment of acute diseases and contains 600 beds. In a recent year there were 12,200 admissions. The number of patients' visits to the Out-Patient Department of both Divisions totals 174,977. Many modern additions to the original buildings have been made permitting increased bed capacity. There is a large biochemical laboratory fully equipped for the complete investigation of the metabolic

aspects of disease and in conjunction with this department there is an out-patient clinic, one of the largest on the continent, for the treatment of diabetes mellitus. There were 573 autopsies performed which represents 85% of all autopsies obtainable, i.e., other than coroner's cases, etc. Post-mortem and surgical material at both Divisions is now used for teaching, and clinical teaching is carried out in the public wards at both Divisions. The number of resident physicians is 52. The Dental Clinic of the University completed in 1921 is located at the Central Division and has 50 dental chairs with a large and varied clientele. The number of visits to the Dental Clinic for a recent year was 19,065.

The Children's Memorial Hospital has 267 public beds, and, in a typical year, admitted 3,807 patients. The attendance at its out-door department totalled over 32,459 visits. This hospital admits all classes of cases of disease in children, and enables the students to get a broad concept of pædiatrics. Of special interest are the newly-built wards with cubicles, the Department of Remedial Gymnastics, the Open-air Pavilions, and the well-equipped out-patient service.

There were 97 autopsies in the year, which represented 88.3% of all deaths.

The number of resident physicians is 12.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles, and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 172 beds, and, in a typical year, 2,008 patients were admitted to the hospital. There were 14 autopsies.

The number of resident physicians is 3.

The Verdun Protestant Hospital has 1,100 beds.

The Royal Edward Laurentian Hospital, in its new building, 3674 St. Urbain St., has space for 70 beds, with operating room, X-Ray equipment, and modern facilities for the examination of patients; it is essentially a dispensary for tuberculosis and offers adequate material for teaching students the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

LIBRARY

Honorary Librarian.....R. L. STEHLE

The Library occupies the central front section of the medical building. It contains more than 74,000 bound volumes and an extensive collection of pamphlets, theses, government publications, and other items.

On the third floor are the pleasant, well-lighted reading room capable of accommodating seventy-five readers, and the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library—ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes, some dating back to the sixteenth century. Among the books and journals the ophthalmological section, due in large measure to many gifts from the late Dr. Casey A. Wood, is excellent.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7.30 to 10.00 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

Librarian.....W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 9,500 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death ("Bibliotheca Osleriana," Clarendon Press, Oxford, 1929, xxxvi, 785 pp.).

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

1. THE McGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

(1) To transact all matters of business connected with the undergraduate body.

(2) To stimulate interest along medical lines.

(3) To assist students to express themselves in public with facility.

(4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter, and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate, and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Third and Fourth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

3. THE OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.

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McGill University

Montreal

Faculty of Medicine

1949-1950

McGill University

MONTREAL, CANADA

GENERAL INFORMATION

1949-1950

ADMISSION TO THE UNIVERSITY

ENTRANCE REQUIREMENTS

The entrance requirements of the various faculties and schools of the University are given in the General Announcement, and in the separate announcements of the faculties and schools. These announcements may be obtained from the Registrar's Office.

APPLICATION FORMS

Application forms for admission to the faculties of Arts and Science (including the School of Commerce), Engineering, Medicine, and Dentistry may be obtained from the Registrar's Office. Applications for admission to other faculties and schools should be made to the Deans of the faculties or the Directors of the schools concerned. All application forms give details of the certificates and records applicants must submit.

APPLICATION FOR RESIDENCE

Students who wish to apply for residential accommodation must do so on special forms. These may be obtained from the Warden of the Residence concerned or from the Registrar's Office. Note, however, that single men students who are required to live at Dawson College (*see page 311*) need not apply separately for accommodation: married students must apply to the Vice-Principal as early as possible.

ADMISSION TO THE UNIVERSITY

The admissions policy of the University is definitely selective and no guarantee can be given that a student who has complied with the minimum entrance requirements will be admitted. Students, therefore, should never come to the University until they have received official acceptance of their applications.

EX-SERVICE MEN AND WOMEN

The University gives special consideration to ex-service applicants.

INQUIRIES

The Registrar will be pleased to answer inquiries concerning the University and to give advice to anyone who contemplates applying for admission.

FEES

The University reserves the right to make changes without notice in its published schedule of tuition, board and residence, and other fees.

I. UNIVERSITY FEES

These fees include all the regular charges of the University for tuition, health service, registration, libraries, laboratories, physical education, sports, games, and graduation. The only additional fee is the Students' Society Fee (*see page 303*).

FULL TIME REGULAR STUDENTS

Arts	$250.00
Science	300.00
Engineering and Architecture (all years)	325.00
Medicine	450.00
Dentistry	350.00
Divinity (except regular candidates for ordination)	250.00
Fine Arts	275.00
Law	275.00
Music	250.00
Library School	285.00
Commerce	275.00
Graduate Faculty	200.00
School of Physical Education	275.00
School of Social Work	275.00
School for Graduates Nurses (Diploma Course)	210.00
School for Graduate Nurses (Degree Course)	260.00
Physiotherapy	275.00
High School Diploma Course	150.00

CONDITIONED STUDENTS

Special fee for an additional course repeated or substituted by Conditioned Students (one full course or two half courses)	$10.00

LIMITED UNDERGRADUATES IN THE FACULTY OF ARTS AND SCIENCE

Per Course	$72.00
Per Half Course	36.00

PARTIAL STUDENTS

	Half Courses	Full Courses
Arts, Science, and Commerce, per course	$36.00	$72.00
Engineering, per hour of instruction per week, per term	12.00	12.00

The maximum fee for a partial student is the full undergraduate fee.

Information concerning the fees payable by partial students taking other courses may be obtained from the Chief Accountant.

Partial students pay $5.00 for Athletics and are entitled to use the outdoor facilities, tennis courts, rinks, etc. If they desire the full athletic and health service privileges of a regular student the fee payable is $22.00. Such students must be medically examined at the time of registration.

Partial students who pay the full undergraduate fee are entitled to the use of the Student Health Service and all facilities of the Department of Physical Education enjoyed by regular students.

Partial students taking less than three full courses pay $5.00 for the McGill Daily and use of the McGill Union, while those taking three or more full courses pay the regular Students' Society fees.

PAYMENTS BY INSTALMENTS

Fees may be paid in two instalments, one at the beginning of the session and one on the 1st of February following. For this privilege the fee (payable $2.50 with each instalment) is ..... $ 5.00

II. SPECIAL FEES AND PENALTIES

Late registration (first week) extra	$ 5.00
Late registration (second week) extra	10.00
Late payment fee (after specified date)	2.00
Fine for late medical examination (*see page 313*)	2.00
Graduation *in absentia*	10.00
Duplicate Diploma	10.00
Certified copy of student's record	1.00
Additional copies (at same time)	.50
Certificate of exemption from Matriculation	2.00
Supplemental examinations, each paper	10.00
Rental of microscope (*per term*)	7.50
Rental of microscope (*for the session*)	12.00

McGill graduates and graduates of other Universities may use the University Library on payment of an annual fee of $5.00.

III. STUDENTS' SOCIETY FEES

An annual fee of $12 ($13 in Engineering and Medicine) is payable by all undergraduates and partial students taking three or more full courses for the support of student organizations. Engineering students are required to make a deposit of $10.00 for the Engineering Undergraduates' Book Service. Medical students pay an additional $2.00 for the Medical Journal.

The men's fee is distributed as follows: McGill Union $3.50; McGill Daily $1.50; Students' Executive Council $6.00; Undergraduate Society $1.00.

The women's fee is distributed as follows: Women's Union $3.50: McGill Daily $1.50; Students' Executive Council $6.00; Undergraduate Society $1.00.

Students in the Faculty of Graduate Studies pay an annual fee of $3.50 for the support of the McGill Union or Women's Union, and $1.50 for the McGill Daily.

V. ATHLETICS, PHYSICAL EDUCATION, AND RECREATION

Free use of the gymnasium, rinks, tennis courts, etc., is included in the University fees listed on page 302, and $15.00 of the fees paid by regular undergraduates is allocated to the Department of Athletics, Physical Education, and Recreation to support its programme. Students' season tickets for the home games of the senior football team cost $1.50, and students' tickets for the home games of the senior hockey team cost 25 cents each. All other home games are free to students.

REGULATIONS FOR PAYMENT OF FEES

1. Fees are due and payable at the Accounting Office immediately after registration; exact dates are shown in the announcements of various Faculties and Schools. A late fee of $2.00 is charged for payment after the specified dates.

2. The University does not issue bills for fees. Each student is required, at the time of registration, to complete a fee account giving full details of his fees for the session. To ensure identification, students or parents should enclose the fee account when remitting fees by mail.

3. Fees may be paid in two instalments, one at the beginning of the session, and one on February 1st following. In such cases the instalment fee of $5.00 is charged.

1st Instalment

One half of the total fees plus $2.50 instalment fee. Deduct deposits already paid.

2nd Instalment

Balance of total fees plus $2.50 instalment fee.

4. Students registering late pay their fees at the time of registration, failing which they become subject to the provisions of the following paragraph:

As soon as possible after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of

the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

5. Further details concerning fees in the Faculty of Graduate Studies and Research are given in the announcement of that Faculty.

REGULATIONS CONCERNING REMISSION OF FEES TO STUDENTS WHO LEAVE THE UNIVERSITY DURING THE COURSE OF THE ACADEMIC YEAR

1. Students withdrawing from the University must cancel their registration at the Registrar's Office.

2. In the case of students who, in spite of the fact that they leave the University before the end of the academic year, receive full credit for the year towards their degree, there shall be no refund of fees.

3. In the case of students who leave during the academic year and do not receive credit beyond the period of their attendance, the fees shall be remitted on the following basis:

(a) In those Faculties where the academic year is divided into two terms, half of the annual fees shall be remitted to a student who leaves prior to the beginning of the second term.

(b) In those Faculties where the year is divided into three terms, one-third of the fees shall be returned for each term that begins after the departure of the student.

4. No fees shall be refunded for any term during which the student has attended classes, even though he leaves before the term has finished.

5. Board and residence fees are payable for the full academic year and shall not be refunded, except in special circumstances.

EXPENSES

It will be seen that each student pays annually two fees: (1) his inclusive University fee, (2) a Student's Society fee. There are no other regular fees and the only extras are for late registration, for graduation *in absentia*, etc., as listed above. Consequently the expenses of a student may be estimated by adding these two fees and the cost of board and lodging (*see pages 306, 307, 309-311*). Books are necessarily a variable expense, but probably $50 a year would be their average cost in Arts and Science. Personal expenditure upon clothes, amusements, etc., is still more variable and no useful estimate is possible.

PART-TIME EMPLOYMENT

Inquiries regarding placement, part-time work, or summer employment should be directed to the University Placement Service. However, students taking a regular degree course generally have insufficient leisure to make heavy part-time work during the term advisable, and they are recommended not to rely upon earning any money while actually at college.

BOARD AND RESIDENCE

The University reserves the right to make changes without notice in its published schedule of tuition, board and residence, and other fees.

I. FOR MEN

DOUGLAS HALL OF RESIDENCE

Douglas Hall was opened in September 1937. It is built on the staircase plan, each student normally having his own study-bedroom and sharing a sitting room with two other men, the three study-bedrooms and the sitting room forming a self-contained and separate suite. Meals, under the supervision of a qualified dietitian, are served in the attractive refectory and residents have in addition the use of adequate common rooms, play rooms, etc.

NORMAL SESSIONAL FEES FOR BOARD AND RESIDENCE

Engineering and Architecture	$600.00
Arts, Science, Commerce, Law	635.00
Medicine and Dentistry (fourth year)	670.00
Medicine and Dentistry (lower years)	700.00

Due to limited accommodation, a few students will be required to share a study-bedroom, in which case a rebate of $40.00 on the normal fee will be allowed.

WILSON MEMORIAL HALL

Wilson Memorial Hall, acquired in 1945, has accommodation for approximately seventy students, most of whom share a double room. Otherwise the facilities of dining room and common rooms are similar to those at Douglas Hall.

NORMAL SESSIONAL FEES FOR BOARD AND RESIDENCE

Engineering and Architecture	$595.00
Arts, Science, Commerce, and Law	625.00

Students sharing a double room will be allowed a rebate of $40.00 on the normal fee.

One half of the fee is payable at the beginning of the session, and the balance on February 1st.

Students who are in residence for any additional period are charged extra at the rate of $3.00 per day.

Application forms for both residences may be obtained from the Warden's Office, Douglas Hall of Residence.

PETERSON RESIDENCES

The Sir William Peterson Residences at Lachine house about two hundred married veterans. Rates for board and residence are the same as those for married students at Dawson College (*see page 311*). For further information, inquirers should write to The Warden, Peterson Residences, Lachine, P.Q.

DAWSON COLLEGE—*See page 310.*

LODGINGS

The University has a register of lodgings which have been inspected and approved. For information about these rooms students should apply in person to the Rooms Registry in the Union during September. The Registry gives information to those who come to its office but does not itself reserve lodgings.

The cost of board and lodging in approved rooms varies from $60 to $80 per month. Separately, board costs from $40, and a room from $25, upwards per month.

Board is furnished in the McGill Union at low rates.

Board and lodging for men may also be obtained in the Diocesan College and the Presbyterian College, which are affiliated with the University.

II. FOR WOMEN

THE ROYAL VICTORIA COLLEGE

The main building of the Royal Victoria College was erected in 1899 under the terms of the endowment created by the Rt. Hon. Baron Strathcona and Mount Royal for the education of women at McGill University. A west wing was added in 1930-31 and an east wing in 1948-49. In all, the College provides residence accommodation for 301 students.

All women undergraduates registered at McGill University are automatically members of the Royal Victoria College, whether in residence or not, and are required by the University to complete the registration forms of the Royal Victoria College.

The activities of all women students center in the College, which contains a separate library, cafeteria, gymnasium facilities, health offices, infirmary, and accommodation for the Women's Union, as well as residential quarters and the Warden's office.

The Warden has general supervision over all the academic activities of the women students. Under the University statutes, she is responsible for "the preservation everywhere of the good character and good name of the College." To this end she has jurisdiction over all women's extra-curricular activities.

ADMISSION

Atudents applying for residence in the College must have fulfilled all the entrance requirements of McGill University, have been officially accepted for a full course leading to a degree or diploma, and have complied with the health regulations (*see paragraph on Health, page 309*).

Admission is based upon scholarship, character, health, and general promise.

APPLICATION FOR RESIDENCE

The Royal Victoria College has the responsibility for residence for all women undergraduates whose homes are not in Montreal. Only in exceptional cases may an undergraduate who is not residing with her parents or guardian live out of residence, and then only with the Warden's written approval.

All women students whose homes are not in Montreal must make application for residence in the College, as well as for a Faculty or School, before their academic applications can be considered.

Residential application forms may be secured either from the Registrar's Office of the University or from the College, and when completed should be addressed to The Warden, Royal Victoria College, McGill University, Montreal. It is to the candidate's advantage to make application early and in any case by May 31st. (Students should not await the results of their matriculation examinations before applying.)

OPENING AND CLOSING OF RESIDENCES

Registration dates for women students in Arts, Science, Commerce, and Fine Arts are as follows:

Tuesday, Wednesday, Sept. 27th and 28th—First Year;

Thursday, Friday and Saturday, Sept. 29th, 30th, Oct. 1st—Upper Years.

Residences will open for all students on Sunday, September 25th, when the evening meal will be the first to be served. *Students will not be admitted before this date.*

All students except seniors are expected to leave in May within 48 hours of their last examination; seniors, by the day after Convocation.

ROOMS AND FURNISHINGS

In the Royal Victoria College there are 288 single and 13 double rooms. They are furnished with the following: bed, pillow, bureau, desk, bookcase, desk chair, waste-basket, study lamp. Blankets (2), sheets, pillow cases, bath towels, and face towels are provided. Students should supply their own bed covering and bureau scarf.

RATES

The charge for board and residence in the Royal Victoria College for a student occupying a single room is $635.00 and for a student occupying a double room, $610.00.

These charges cover the period of the University session in Arts and Science, exclusive of the Christmas holiday. Students who are in residence for any additional period for purposes of instruction, practice teaching, or examinations are charged at the rate of $3.00 per day.

There is accommodation for meals in the cafeteria at the Royal Victoria College.

A House Fee of $8.00 is collected by the University on behalf of the Resident Students' Society, and is payable with the Board and Residence fees.

HEALTH

The health service for both resident and non-resident students is part of the University Health Service. The Assistant Physician for the Royal Victoria College, Dr. M. Dorothea Mellor, is assisted by resident nurses.

No student who has an infectious illness or who comes from a house in which there has been an infectious illness may enter or return to the College unless the regulations of the Provincial Department of Health are observed. In all such cases the Warden must be notified and official consent secured. All students entering the University for the first time are required according to Provincial regulations to present a certificate or other satisfactory evidence of successful vaccination within seven years, or of insusceptibility to vaccine within five years.

McLENNAN HALL

Accommodation is available at McLennan Hall, 3480 Ontario Avenue, for women students in the courses of a senior nature listed below. This building, formerly the home of Miss Isabella C. McLennan, was donated by her to the University in October 1942 and stands in large and attractive

private grounds, commanding a superb view of the city of Montreal and the river beyond. It is within ten minutes' walking distance of the University. Breakfast is served at the Hall and residents may obtain their other meals at the Royal Victoria College Cafeteria at the regular prices. There are a few single rooms; the remainder (designated as "multiple") accommodate two or three students. Furnishings are similar to those described for the Royal Victoria College. Infirmary service is available to students living at McLennan Hall. A small charge will be made for meals served in the infirmary. The Hall is under the supervision of the Warden of the Royal Victoria College, to whom applications for accommodation should be sent.

RATES

Course	Period	Single	Multiple
Dentistry 1, 2, 3	Sept. 6– *	$470	$385
Dentistry 4	Sept. 6–Convocation	475	390
High School Diploma (Education)	Sept. 6–June 9	510	415
Law 1, 2, 3	Sept. 29– *	395	325
Law 4	Sept. 29–Convocation	435	355
Library School	Sept. 16–Convocation	455	375
Medicine 1, 2, 3	Sept. 6– *	510	415
Medicine 4	Sept. 6–Convocation	475	390
Graduate Faculty	Sept. 29–May 15	415	340

Additional periods will be charged at the following daily rates: Single, $2.00; Multiple, $1.65.

DAWSON COLLEGE

To provide accommodation for the great number of students who wish to study for a degree, the University in September 1945 opened Dawson College at St. Johns, Quebec, about twenty-five miles from Montreal. This college which was formerly an Air Observer Station of the R.C.A.F. is well equipped with living quarters, classrooms, laboratories, dining room, gymnasia, playing fields, lounge rooms, and two theatres.

Dawson College will open for residence on Tuesday, September 27th, 1949.

The following students (both men and women unless otherwise indicated) will be in residence at Dawson College for the 1949-50 session:

(a) All students in the New Plan First Year Engineering 1M (including Architecture 1M);

(b) All students in the Old Plan First Year Engineering 1A (including Architecture 1A);

* To the end of examinations.

(c) All students in the Old Plan Second Year Engineering 2A except those taking Architecture, Engineering Physics, and Applied Mechanics;

(d) All *men* students in the First Year of the B.Sc. course;

(e) All *men* students in the Second Year of the *General* B.Sc. course.

Dormitory accommodation is automatically reserved for all *single* men students who are required to live at Dawson College. There is accommodation for a considerable number of married students, and application for these quarters should be made by the student as soon as he has received an official academic acceptance from the University, and in any case before September 1st. The application should be addressed to the Vice-Principal of Dawson College, and should give information about the student's course and his veteran status, as well as particulars about his family.

Students may, in special circumstances, be permitted to live in Montreal and commute to their lectures at Dawson College. Application for permission to commute must be made in writing to the Vice-Principal.

The fees for board and residence at Dawson College are as follows:

Single students (for the normal session, excluding examinations and holidays);

	Science	*Engineering*
Dormitory	$295	$285
Rooms	345	330

Students remaining in residence beyond the normal session will be charged at per diem rates of $1.75 in dormitories and $2.00 in rooms.

Married students (per month)

Man and wife in one room	$ 90.00
Man, wife, and child in two rooms	100.00
Extra for each additional child	5.00

Health fee for the session (all married students in residence) $3.00

These fees are subject to change without notice.

For further information, applicants should write to the office of the Vice-Principal, Dawson College, Quebec.

HEALTH SERVICE

The object of the student Health Service is to ensure that every student enrolled at McGill University shall be enabled to obtain the maximum protection for the development and maintenance of health at reasonable cost, during the University sessions.

The facilities of the Health Service provide for the early discovery of any defects of health and direct the student to competent treatment for any serious defect which may be found. The personnel of the Health

Service have all been chosen for their ability to give competent and sympathetic service.

The Health Service provides treatment for minor illnesses or accidents.

It is not the function of the Health Service to undertake the care of serious cases beyond the initial diagnosis and emergency treatment. The patient will then be referred to the physician or surgeon of his choice or to the public service of designated hospitals.

The families of out-of-town students will be notified of any serious illness, and the action of the Health Service will be guided by their wishes or the advice of their family doctor.

Students entering the University are presumed to be in good health. If not, a statement to the contrary should be furnished to the Health Service before registration in the University is completed.

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination against Smallpox. Students should be vaccinated before they come to the University. If they have not complied with this Government regulation, they will be vaccinated at the University and a fee of $5.00 will be charged. Failure to be vaccinated before a certain date in the term will involve an additional fine of $5.00.

The University is not responsible for damages of any kind resulting from accidents or athletic injuries which may occur, nor for the medical or hospital expenses incurred by any person suffering an accident or athletic injury. In the case of injuries which occur during intercollegiate or intramural competition in athletics or in preparation therefor, the Health Service will render treatment, including hospitalization, if necessary, but any hospital expense in connection therewith shall be limited to the same maximum amount and conditions as in the case of hospitalization for illness. If circumstances appear to justify such action, the Director of the Department may authorize additional services or contributions towards such cost.

The Student Health Service is organized to provide:

(*a*) Medical examinations for all men and women students in the University at the beginning of each Session.

The examination for students entering the University for the first time includes a complete clinical check, together with an X-ray of chest and routine laboratory procedures.

The examination for all other students annually consists of an X-ray of chest and routine laboratory procedures, together with a physical examination where indicated. All fourth year students examinations include, besides the X-ray and laboratory procedures, a complete clinical check.

Participation in athletics is conditional upon the findings.

All examinations are by appointments made at the time of registration. The examination is compulsory for all students. Any student who fails to keep this appointment is subject to a later examination for which a charge of $2.00 is made. Any student who fails to have a medical examination by the Student Health Service is subject to disciplinary action by the University authorities.

Re-examination during the session is undertaken for any student who may seem to require it.

(*b*) Consultative service for all students is available at the various centres of the Student Health Service. These centres are located for men on the McGill Campus at 490 Pine Avenue West; for women at the Royal Victoria College; for Dawson at the Dawson College Hospital; for Macdonald College at the Infirmary.

This service is optional on the part of the student. Any services obtained by the student from a private physician are the student's responsibility.

A limited number of house visits by a physician or nurse of the Health Service is undertaken as necessary for those living away from home and confined to bed.

A student who has received medical attention for an illness or accident must be declared fit by the Health Service before he may resume participation in classes or athletics.

(*c*) The consultative service is included in the Student Health Service fee.

In case of hospitalization when obtained through the Student Health Service, payment will be made for one-half of all public ward rates in a designated general hospital, up to a maximum of $125.00 per student in any one session of the University.

This contribution is not applicable to hospital expenses for an illness or other condition which was known or ascertained at the time of admission.

Further detailed information will be furnished each student at the time of registration.

PARKING ON UNIVERSITY GROUNDS

The University does not permit students to park automobiles or motorcycles anywhere on the Montreal campus except in such areas as may be specifically designated for student parking by official notices.

Parking at Macdonald College and at Dawson College is subject to restrictions. Further information may be obtained by applying to the office of the Vice-Principal of the College concerned.

SPORTS FOR MEN

There is intercollegiate competition in approximately twenty different sports, including football, hockey, track, basketball, skiing, swimming, tennis, boxing, wrestling, fencing, and golf, and, in addition, there is a wide programme of intra-mural competition in various sports. The Sir Arthur Currie Memorial Gymnasium provides accommodation for many indoor activities, while Mount Royal in Montreal and the Laurentian Mountains north of Montreal provide excellent skiing country. A student in good health thus has ample opportunities for exercise and pleasant recreation.

SPORTS FOR WOMEN

For women students there is a wide choice of voluntary sports and recreations including archery, basketball, dancing, gymnastics, skating, skiing, swimming, and tennis. Special care is taken that no student undertakes any exercise for which she is physically unsuited.

IMMIGRATION

All students entering Canada to attend courses at the University should obtain from the Dean of their Faculty, the Director of their School, or the Registrar's Office an official letter of acceptance, and should present this to the immigration authorities at the port of entry.

BRITISH STUDENTS

British students do not require passports to enter Canada but may require them if they wish to return. They are therefore advised to obtain them before leaving for Canada.

AMERICAN STUDENTS

American students do not need passports. They must, however, bring with them evidence of their American citizenship such as their birth certificate, baptismal certificate, naturalization certificate, or passport. They should register on arrival with the American Consulate General. Students coming from the United States of America who are not citizens of that country should carry evidence that they are legally in the United States, and prior to their return should obtain a re-entry permit from the American Immigration Department.

OTHER STUDENTS

All other students should carry passports.

CALENDAR FOR THE SESSION 1949-50

1949

May 30th, Monday. Convocation.

June 29th, Wednesday. French Summer School begins.

July 1st, Friday. Dominion Day.

July 4th, Monday, Geography Summer School begins.

August 11th, Thursday. French Summer School ends.

August 13th, Saturday. Geography Summer School ends.

August 31st, Wednesday. Last day for filing Graduate theses for Autumn Convocation.

September 1st, Thursday. Summer School in Mechanical Engineering begins. Fall Survey School begins. Students in certificate courses in Public Health Nursing, and Advanced Psychiatric, Obstetric, and Pædiatric Nursing report to the School for Graduate Nurses for field work.

September 2nd, Friday. Registration in Medicine and in the First, Second, and Fourth Years of the Faculty of Dentistry begins. Supplemental examinations in Engineering and Architecture begin.

September 5th, Monday. Labour Day. No examinations.

September 6th, Tuesday. Registration in Medicine and in the First, Second, and Fourth Years of the Faculty of Dentistry finishes. Supplemental examinations begin in Arts and Science, in Commerce, and in the School of Physical Education.

September 7th, Wednesday. Lectures begin in all years of Medicine and in the First, Second, and Fourth Years of the Faculty of Dentistry. Second and Third Year Women students in the School of Physical Education report for Autumn Outdoor School. School Certificate examinations begin.

September 8th, Thursday. High School Diploma students report for training in the Department of Education.

September 9th, Friday. Seminars begin for High School Diploma students.

September 12th, Monday. Conservatorium of Music opens for practical work. Second and Third Year Men students in the School of Physical Education report for Autumn Outdoor School.

September 12th, Monday, to September 24th, Saturday. Final orals for Ph.D.

September 16th, Friday. Students in certificate courses in Teaching and in Supervision and Administration in Schools of Nursing report to the School for Graduate Nurses for observation in Hospitals.

September 16th, Friday, and September 17th, Saturday. Students register in the Library School.

September 17th, Saturday. Last day for receiving applications for admission to the Graduate Faculty. Last day for reports on Ph.D. theses.

September 19th, Monday. Lectures begin in the Library School. Students in Third Year Dentistry register.

September 20th, Tuesday. Lectures begin in Third Year Dentistry.

September 21st, Wednesday. Last day for reports on Masters' theses.

September 27th, Tuesday. Freshman Day. Registration of First Year students begins in Arts and Science. Registration of all students in all years in Engineering and Architecture, and in the First Year of the School of Physical Education. Lectures begin in the Faculty of Music.

September 28th, Wednesday. Registration of First Year students in Arts and Science completed.

September 28th, Wednesday, and September 29th, Thursday. Registration of students in Law, the First and Fourth Years of the School of Physical Education, and all years in the School of Physiotherapy.

September 29th, Thursday, September 30th, Friday, and October 1st, Saturday. Registration of Upper Year students in the Faculty of Arts and Science, and in the Second and Third Years of the School of Physical Education.

September 29th, Thursday. Students register in the School of Social Work.

September 30th, Friday. Lectures begin in the First Year of Arts and Science and Commerce, and in all years in Engineering, Law, Agriculture, Household Science, the School of Social Work, the School of Physiotherapy, and the School of Physical Education.

September 30th, Friday, and October 1st, Saturday. Degree students register in the School for Graduate Nurses.

October 1st, Saturday. Last day for receiving sessional registration forms approved by the Department in the Dean's Office, Faculty of Graduate Studies and Research.

October 3rd, Monday. Lectures begin in the Upper Years of Arts and Science, the School for Graduate Nurses, and in the Faculty of Graduate Studies and Research.

October 6th, Thursday. Founder's Day. Convocation.
(James McGill born October 6th, 1744, died December 19th, 1813.)

Thanksgiving Day. No lectures. Date to be announced by the Dominion Government.

October 15th, Saturday. Last day for submitting certificates relating to summer employment in the Faculty of Engineering.

October 22nd, Saturday. Last day for registration (Registrar's Office) and payment of fees for students in the Faculty of Graduate Studies and Research.

December 3rd, Saturday, to December 10th, Saturday. Examinations in French and German for Ph.D. students, except those in Physics.

December 16th, Friday. First term ends in the Library School.

December 19th, Monday, to December 21st, Wednesday. Examinations in the Library School.

December 21st, Wednesday. Last day of lectures in all Faculties and Schools, and last day of field work in the School of Social Work.

1950

January 5th, Thursday. Lectures resumed in Medicine, Dentistry, Graduate Studies, the Library School, Music, Social Work. Second term begins in Law. First term examinations begin in Arts and Science, Commerce, Engineering, Architecture, Physical Education, the School for Graduate Nurses, and Physiotherapy.

January 12th, Thursday. Second term begins in Arts and Science, Commerce, Engineering, Architecture, Physical Education, the School for Graduate Nurses, and Physiotherapy.

January 25th, Wednesday, to January 27th, Friday. Examinations held in the School of Social Work.

January 30th, Monday. Second term begins in the School of Social Work.

February 10th, Friday. Founder's Day at Macdonald College.
(Sir William Macdonald born February 10th, 1831, died June 9th, 1917.)

February 17th, Friday, and February 18th, Saturday. Mid-term weekend holiday.

February 18th, Saturday, to February 25th, Saturday. Examinations in French and German for Ph.D. students in Physics only.

Library School trip. Dates to be announced.

April 6th, Thursday. Lectures end in Upper Years of Engineering and Architecture.

April 7th, Friday. Last day for filing Ph.D. theses.

April 7th, Friday, to April 10th, Monday (inclusive). Easter vacation.

April 11th, Tuesday. Examinations begin in Upper Years of Engineering and Architecture.

April 19th, Wednesday. Lectures end in First Year Engineering and in all other Faculties and Schools except Music, Medicine, Dentistry, the Library School, and the School of Social Work.

April 21st, Friday. Last day for filing theses for Master's degrees.

April 24th, Monday. Examinations begin in Arts and Science, Commerce, First Year Engineering, all years in Law, Physical Education, Agriculture, Household Science, the School for Graduate Nurses, and Physiotherapy.

April 29th, Saturday, to May 13th, Saturday. Final orals for Ph.D.

April 29th, Saturday. Examinations begin in the Theory of Music. Lectures end in the Library School.

May 1st, Monday. Practical examinations begin in Music. Last day for application for the majority of Graduate Fellowships.

May 2nd, Tuesday. Examinations begin in the Library School and in Higher Theoretical Music.

May 3rd, Wednesday. Last day for reports on Ph.D. theses.

May 5th, Friday. Last day of lectures in the School of Social Work and in Music.

May 8th, Monday, to May 20th, Saturday. Practice work in the Library School.

May 10th, Wednesday. Examinations begin in the School of Social Work.

May 12th, Friday. Last day for reports on Masters' theses.

May 15th, Monday. Full-time field work in First Year of the School of Social Work and full-time research work in Second Year begin.

Date to be announced. Convocation.

June 19th, Monday. School Certificate Examinations begin.

June 23rd, Friday. Second term ends in the First Year of the School of Social Work.

June 30th, Friday. Second term ends in the Second Year of the School of Social Work.

April 30th, Saturday, to May 16th, Saturday. Final orals for Ph.D.

April 30th, Saturday. Examinations begin in the Theory of Music. Lectures end in the Library School.

May 1st, Monday. Practical examinations begin in Music. Last day for application for the majority of Graduate Fellowships.

May 2nd, Tuesday. Examinations begin in the Library School and in Higher Theoretical Music.

May 3rd, Wednesday. Last day for reports on Ph.D. theses.

May 5th, Friday. Last day of lectures in the School of Social Work and in Music.

May 8th, Monday, to May 20th, Saturday. Practice work in the Library School.

May 10th, Wednesday. Examinations begin in the School of Social Work.

May 12th, Friday. Last day for reports on Masters' theses.

May 15th, Monday. Full-time field work in First Year of the School of Social Work and full-time research work in Second Year begin.

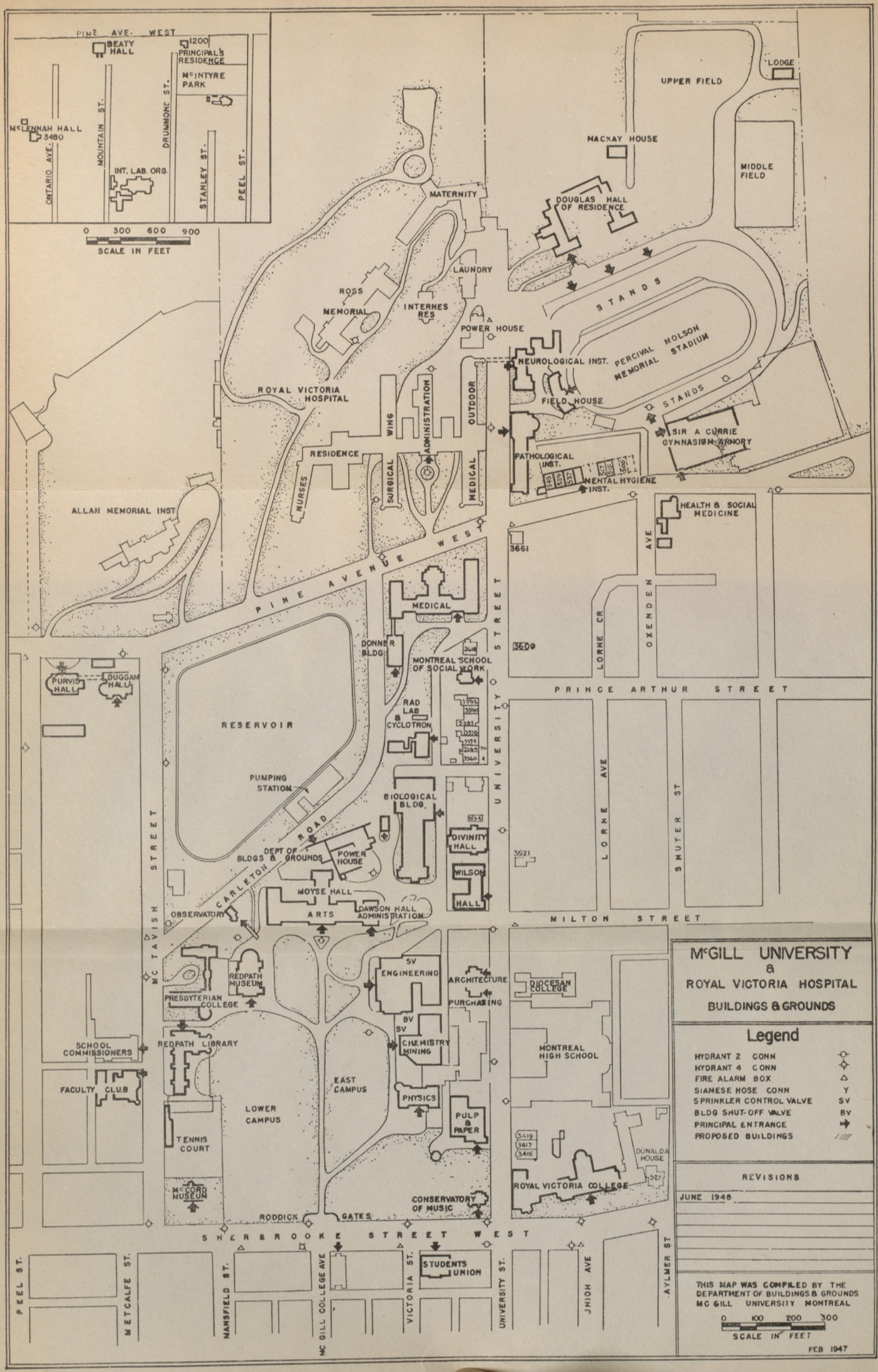
Date to be announced. Convocation.

June 19th, Monday. School Certificate Examinations begin.

June 23rd, Friday. Second term ends in the First Year of the School of Social Work.

June 30th, Friday. Second term ends in the Second Year of the School of Social Work.

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REVISIONS
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McGill University

Montreal



Faculty of Medicine

1949-1950

McGill University

Montreal

Faculty of Medicine

1949-1950

TABLE OF CONTENTS

	PAGE
Administrative Officers	1605
Admission to Medicine	1608
Alpha Omega Alpha Honorary Medical Society	1657
Anæsthesia	1618
Anatomy	1618
Bacteriology	1620
Biochemistry	1622
Board and Lodging	1611
Buildings	1651
Bursaries	1615
Clinical Therapeutics	1625
Course for the Degree of M.D., C.M.	1611
Courses of Instruction	1618
Dermatology	1625
Diploma of Public Health	1649
Diploma of Tropical Medicine and Hygiene	1650
Dominion Registration	1617
Donner Building	1652
Embryology	1620
Entrance Requirements	1607
Equivalent Standing in Medicine	1608
Examinations	1612
Fees	1609
Fellowships	1615
General Council of Medical Education, Great Britain	1617
Grading	1615
Graduate and Advanced Courses	1648
Gynæcology	1630
Health Service	1611
Health and Social Medicine	1622
Histology	1619
Hospitals	1652
Immunology	1620
Library	1655

CONTENTS—Continued

	PAGE
Loan Fund	1615
Medals	1615
Medical Jurisprudence	1623
Medical Societies	1656
Medicine	1624
Microscopes	1610
Microscopic Anatomy	1619
Neurology and Neurosurgery	1628
Obstetrics	1630
Ophthalmology	1633
Orthopædic Surgery	1645
Osler Library	1655
Osler Society	1657
Oto-Laryngology	1634
Pædiatrics	1635
Parasitology	1637
Pathology	1637
Pharmacology	1639
Physiology	1641
Prizes	1615
Promotion	1612
Psychiatry	1641
Radiology	1643
Reciprocity with Great Britain	1617
Registration	1609
Requirements for Degree of M.D., C.M.	1615
Requirements for Licence	1616
Scholarships	1615
Surgery	1644
Therapeutics	1640
Undergraduate Medical Society	1656
Urology	1645

McGill University

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

F. Cyril James, B.Com. (Lond.), M.A., Ph.D. (Penn.), D.Sc. (Clarkson), D.C.L. (Bishop's), LL.D. (Queen's, Toronto, London, New York, etc.), D. de l'U (Montréal), F.R.S.C., Chevalier de la Légion d'Honneur
Principal

John J. O'Neill, Ph.D. (Yale), M.Sc., F.G.S.A., F.R.S.C. *Vice-Principal*

Frederick Smith, M.A., M.B., B.Ch. (Cantab.), M.R.C.S. (Eng.), L.R.C.P. (Lond.), F.R.S.C. *Dean of the Faculty*

D. S. Fleming, B.A., M.D., C.M., D.P.H. (Tor.) *Secretary of the Faculty*

S. H. Dobell, D.S.O. *Comptroller and Executive Assistant to the Principal*

William Bentley, C.G.A., A.C.I.S., L.C.M.I. *Bursar*

T. H. Matthews, M.A. (Oxon.) *Registrar*

Richard Pennington, B.A. (Birmingham), Lib.Dip. (Lond.)
University Librarian

R. L. Stehle, M.A. (Ohio State), Ph.D. (Yale) *Honorary Medical Librarian*

W. W. Francis, A.B., M.D. (Johns Hopkins)
Osler Librarian and Director of the Museum of the History of Medicine

Miss G. D. Mudge *Assistant Secretary of the Faculty*

Special announcements are available for the Schools of Physiotherapy, Graduate Nurses, and Physical Education.

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate announcement, which may be obtained from the Registrar's Office.

FACULTY OF MEDICINE

The one hundred and seventeenth session of the Faculty will open on September 7th, 1949, for students of the first year.

REQUIREMENTS FOR ENTRANCE

1. (a) *Total Academic Credits:*
The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof). This minimum requirement may be regarded as equivalent to a total of 90 semester hours.

(b) *Scientific Requirements:*
In the scientific branches, certain subjects are specifically required:
Chemistry, two full courses, including General Chemistry and Organic Chemistry, with laboratory work.
Physics, one year with laboratory work.
Biology, or *Zoology*, one year with laboratory work. (Of this, a half year must consist of Zoology.)

(c) *Cultural Requirements:*
These must be selected in such a way as to be in harmony with the requirements for the degree of B.A. or B.Sc. at the college where the courses are taken. These would commonly include credits in English Literature and in Composition, Mathematics, and at least one modern language. It is advisable for each applicant to present evidence of such preparation.

(d) All candidates for admission to the Medical Faculty are required to take the Medical College Admission Test conducted by the Graduate Record Office, or furnish a satisfactory explanation of reasons why they are unable to do so.

2. In selecting courses, in addition to the specific requirements listed above, the intending medical student should plan his pre-medical course as a whole, and in accordance with a definite educational objective. Emphasis should be laid on the broad educational value and the intellectual training afforded, rather than on the factual content of such pre-medical curricula; the student is therefore advised to plan his course in such a way as to provide more than elementary training in some definite field of learning which appeals to him; this major field may be selected from the Natural or the Social Sciences or the Humanities. Certain

subjects which though not essential have been found valuable in medical study, and which may be included as electives if the curriculum in the major field permits, are Psychology, Sociology, and Genetics.

In general, students are advised not to anticipate medical school courses in Physiology, Histology, Bacteriology, and Biochemistry at the expense of a fundamental training as outlined above.

On the other hand, for students who desire a preparation in excess of the minimum requirements, a considerable degree of specialization in the sciences, such as Honours graduation, or a Master's degree, in Physics, Chemistry, Biochemistry, Biology, Physiology, or Bacteriology, may prove to be desirable and advantageous.

The students' attention is called to the memorandum printed in the Announcement of the Faculty of Arts and Science, for the guidance of pre-medical students.

Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body where they wish to practise. This provision applies to Canadian candidates only.

EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than January 1st. Each application must be accompanied by a non-returnable fee of $5.00 in the form of a cheque or money order payable to McGill University.

A fee of $50.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Secretary of the Faculty, when possible, is advisable.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Friday, September 2nd or Tuesday, September 6th, 1949. Those who register after the latter date will be required to pay a late registration fee of $5.00 if they register during the first week of the session and $10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

FEES

The University reserves the right to make changes without notice in its published schedule of tuition. board and residence, and other fees.

UNIVERSITY FEES

1. REGULAR STUDENTS

Annual fee	$450.00
By instalments: each of two instalments	227.50

2. REPEATING A YEAR

Students repeating a year pay	450.00

3. PARTIAL STUDENTS

Qualified students may be admitted as partials to one or more courses on payment of special fees.

4. AD EUNDEM FEE

Students entering any year above the first, pay a special *ad eundem* fee of	$10.00

5. DIPLOMA OF PUBLIC HEALTH FEES

The fee for the graduate course in Public Health, including laboratory and outdoor work, as well as student Health Service fee, is $250.00, of which $25.00 is to be deposited on acceptance of application.

6. DIPLOMA OF TROPICAL MEDICINE AND HYGIENE FEES

The fee for the course leading to this diploma is $50.00 if preceded by the D.P.H. course at McGill University or $100.00 for those already holding the D.P.H., taken elsewhere. For all others the fee is $250.00.

STUDENTS' SOCIETY FEES

FEES FOR THE SUPPORT OF STUDENT ORGANIZATIONS

Regular students (men)	$15.00
Regular students (women)	15.00
Partial students taking less than three courses	5 00

By instalments: half with each instalment.

DATES OF PAYMENT

Fees are due and payable at the Chief Accountant's Office between the hours of 9 a.m. and 4 p.m. on the following dates:

Tuesday, September 6th, to Thursday, September 8th, inclusive, or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional $2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration, failing which they become subject to the provisions of the above paragraph.

Immediately after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Dean will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

All fees are payable in Canadian currency.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories: 2/3, 1/6, and

1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practioner in medicine. Suitable microscopes may be secured through local dealers.

BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement (pages 305—310).

HEALTH SERVICE

For details of the Health Service and Medical Examinations see the General Information Pamphlet included in this Announcement (page 311).

COURSES FOR THE DEGREE OF M.D., C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

a. four years of medical study in the University leading to the degree of M.D.,C.M.; and

b. one year of interneship in an approved hospital,

or

one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

While the Faculty Administration exercises a general supervision of arrangements for interneships, the Faculty of Medicine assumes no responsibility to provide an interneship for any student.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are three sessions of thirty-six weeks each and one session (final session) of thirty-two weeks, all exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day) and continue until the first week of June in the first three years and to the first week in May in the final year.

The academic session is divided into four terms in the first and fourth session and into three terms in the second and third sessions. The minimal

period of study for the degree of M.D., C.M., is, therefore, four sessions of study comprising one hundred and forty weeks exclusive of examination periods.

The arrangement of the principal subjects of instruction is usually as follows:

FIRST SESSION

Anatomy (including Histology and Embryology), Physiology, Biochemistry, Psychobiology and Medical Sociology, Introduction to Medicine.

SECOND SESSION

Pharmacology, General Pathology, Bacteriology and Immunology, Parasitology, Laboratory Diagnosis, Medicine, Surgery, Pædiatrics, Obstetrics, Health and Social Medicine, Psychiatry.

THIRD SESSION

Special Pathology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynæcology, Pædiatrics, Psychiatry, Therapeutics, Ophthalmology, Oto-laryngology, Medical Jurisprudence, Radiology, Anæsthesia.

FOURTH SESSION

Medicine*, Surgery*, Obstetrics and Gynæcology, Psychiatry, Pædiatrics, Ophthalmology, Otolaryngology, Radiology, Neurology and Neuro-Surgery.

*In these subjects are included the following:

Medicine—Dermatology, Clinical Therapeutics.

Surgery—Orthopædics, Urological Surgery, Anæsthesia.

EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology), Histology, Physiology, Biochemistry, Pharmacology, Bacteriology and Immunology, Pathology, Health and Social Medicine, Pædiatrics, Medicine, Surgery, Obstetrics and Gynæcology, Psychiatry.

Minor examinations include the final examinations in Parasitology, Neuro-anatomy, Laboratory Diagnosis, Medical Jurisprudence, Therapeutics, Ophthalmology, Otolaryngology, Radiology, and examinations preliminary to the final major examinations.

A student who fails in any major examination will be required before he sits a supplemental examination to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplemental of one (or two) minor examination may proceed with other subjects in the following year, carrying such subject as a condition, but may not sit any subsequent major examinations until such conditions have been removed, nor may more then two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that

he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of the McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in examinations, except on special recommendation of the Promotion Committee, acting upon the motion of the representatives on the committee of the Department concerned.

A student who has been permitted to repeat his year shall be required to make a C+ grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

A schedule of the times of major and minor examinations shall be published as a supplement to these ordinances at the beginning of each academic session.

Examinations, tests, reviews, etc., may be held during the session by any Department in its time of instruction, provided that no more than twenty-four (24) hours' notice is given. It is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know he is progressing in his studies.

There shall be two Promotion Committees. The First Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Bacteriology, Parasitology, Pathology, and Endocrinology, appointed by the Dean, and the Dean and the Secretary *ex officio*. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the first and second years. The second Committee shall consist of representatives of the Departments of Pathology, Bacteriology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynæcology and Pædiatrics, appointed by the Dean, and the Dean and the Secretary *ex officio*. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the third and fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.

GRADING

At the conclusion of each course, students are graded in five groups as follows:

A = Excellent
B = Good
C = Fair
D = Doubtful
E = Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

The grade assigned to a student is based upon the results of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

FELLOWSHIPS—SCHOLARSHIPS

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund may be found in the Scholarships Announcement.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.

2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 1611.)

3. No one is permitted to become a candidate for the degree who has not attended at least one full session at this University.

4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.

5. He must have attended during at least three sessions of nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.

6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.

7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained.

N.B.—In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:

QUEBEC—Dr. J. Paquin, 1896 Dorchester St. West, Montreal.

ONTARIO—Dr. Robert T. Noble, 566 University Ave., Toronto, Ont.

NEW BRUNSWICK—Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

NOVA SCOTIA—Dr. H. L. Scammell, 196 Atlantic St., Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. I. J. Yeo, Charlottetown, P.E.I.

MANITOBA—Dr. M. T. McFarland, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. W. Bramley Moore, 207 Alexandra Block, Edmonton, Alta.

SASKATCHEWAN—Dr. G. Gordon Ferguson, 415 Birks Bldg., Saskatoon, Sask.

BRITISH COLUMBIA—Dr. A. J. MacLachlan, 203 Medical-Dental Building, Vancouver, B.C.

NEWFOUNDLAND—Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance at lectures, practical work, and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

COURSES OF INSTRUCTION

DEPARTMENT OF ANAESTHESIA

Professor	WESLEY BOURNE, *Chairman*
Assistant Professors	H. R. GRIFFITH
	C. C. STEWART
	F. A. H. WILKINSON
Lecturers	R. S. FERGUSON
	C. R. STEPHEN
	W. C. STOCKWELL
Demonstrators	W. G. CULLEN
	R. G. B. GILBERT
	J. J. KELLY
	P. E. O'SHAUGHNESSY
	A. F. PASQUET
	A. M. TORRIE

UNDERGRADUATE COURSES

Students in Medicine, before their fourth year will have been introduced to the subject of Anæsthesia by the teachers in Anatomy, Biochemistry, Pathology, Pharmacology, and Physiology.

During the fourth year, eleven lectures are given, each with sound moving pictures. All of these deal chiefly with the clinical aspect. Reading matter is prescribed.

During the fourth year, also, each undergraduate student spends several days with an anæsthetist and acts as his assistant for which he is certified.

DEPARTMENT OF ANATOMY

Robert Reford Professor	C. P. MARTIN, *Chairman*
Professor	C. P. LEBLOND
Assistant Professors	D. S. FORSTER
	S. M. FRIEDMAN
Lecturers	J. GROSS
	E. W. WORKMAN
Teaching Fellow	CATHERINE E. STEVENS

REQUIRED COURSES

1. GROSS ANATOMY

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the first medical year.

2. NEURO-ANATOMY

Four hours lecture and laboratory per week during the first term of the second year. Conducted with the co-operation of Dr. Francis McNaughton. This course is listed under the Department of Neurology and Neurosurgery as 2A Neuroanatomy.

3. APPLIED ANATOMY

One hour per week lecture and demonstration during the Winter and Spring terms of the third medical year.

Textbooks: Gray's "Anatomy" (English edition) or Cunningham's "Text-Book of Anatomy."

Practical Manuals: Buchanan's "Manual of Anatomy"; Johnston's "Synopsis of Regional Anatomy."

Optional Texts: Quain, Piersal, Spalteholz Atlas, Fraser's "Anatomy of the Human Skeleton", Fraser and Robbins, Larsell, Ramson.

ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

4. ADVANCED NEURO-ANATOMY

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton. The class is limited to ten. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

5. PHYSICAL ANTHROPOLOGY

Lectures and practical courses will be arranged for students when required.

MICROSCOPIC ANATOMY

REQUIRED COURSE

6. HISTOLOGY

The study of the histological structure of the body. Two hours lectures and six hours laboratory work per week during the first 28 weeks of the first medical year.

Textbook: Bailey, "Text-Book of Histology" or Maximow and Bloom.
Optional Texts: Cowdry, Lewis and Bremer, Jordan.

ELECTIVE COURSE

7. EXPERIMENTAL MORPHOLOGY

This course is divided into two parts:

(a) A seminar on theoretical problems of histology and histo-chemistry. One hour weekly.

(b) A practical course on the planning of biological experiments, operative procedures on laboratory animals, histological technique, histo-chemical reactions, radioactive elements (detection by radio-autographs and Geiger counter), photographic methods, etc. One hour lecture and laboratory each week.

EMBRYOLOGY

REQUIRED COURSE

8. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY

One hour per week lecture and three hours per week laboratory work during second half of the first medical year.
Textbook: Arey, "Developmental Anatomy."
Optional Texts: Jordan, Simkins, Bailey and Millar, Keith, Fraser.

DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY

Professors	E. G. D. MURRAY, *Chairman* FREDERICK SMITH
Associate Professor	J W. STEVENSON
Assistant Professors	D. S. FLEMING G. G. KALZ C. D. KELLY
Lecturers	J. DE VRIES A. LEDUC A. M. MASSON F. H. PRISSICK
Demonstrator (Teaching Fellow)	M. J. KAHNKE
Research Fellow	CATHERINE MACPHERSON

All lectures and laboratory courses are given in the Department of Bacteriology, Pathological Institute.

1. ELEMENTARY MEDICAL BACTERIOLOGY AND IMMUNOLOGY

30 lectures and 63 hours practical work commencing September, first medical term, 2nd year.

Available to Medical students on the satisfactory completion of their studies in Anatomy, Physiology, Histology, and Biochemistry.

2. APPLIED MEDICAL BACTERIOLOGY AND IMMUNOLOGY AND THE PROCESSES OF INFECTIOUS DISEASES

20 lectures and 40 hours of demonstrations commencing November 15th, 2nd medical term 2nd year.

3. BACTERIOLOGY AND IMMUNOLOGY FOR HONOURS B.SC. DEGREE

The class is limited in size and priority is given to Honours students in their fourth year. Students in the Faculty of Graduate Studies are admitted only if they have suitable qualifications and if there are vacancies.

77 lectures and 308 hours practical work with 50 hours discussion periods through the year (3 full courses). Biochemistry 5 (lectures only) is compulsory. One other course is to be selected by the students.

6. BACTERIOLOGY AND IMMUNOLOGY FOR THE M.SC. DEGREE

8. APPLIED BACTERIOLOGY FOR GRADUATE NURSES (CERTIFICATE COURSE)

22 lectures and 19 hours practical work. Available only to students in the School of Graduate Nurses commencing October to December in the first term.

9. PUBLIC HEALTH BACTERIOLOGY AND IMMUNOLOGY

Available to postgraduate students for the diploma or Master's degree in Public Health. Given in association with the Department of Health and Social Medicine.

10. SEMINARS ON APPLIED BACTERIOLOGY IN RELATION TO PARTICULAR NURSING PROBLEMS (DEGREE COURSE)

14 periods of 2 hours commencing January for 14 weeks in the second term. Available only to nurses taking the Degree Course and on the successful completion of Course 8. Limited to 20 students.

Textbooks: Zinsser, Textbook of Bacteriology, edited by Smith and Martin (Appleton-Century-Crofts); T. J. Mackie and J. E. McCartney, Practical Bacteriology (Livingstone); Topley & Wilson, Principles of Bacteriology, revised by Wilson & Miles (Edward Arnold); E. O. Jordan and W. Burrows, Text-Book of Bacteriology (Saunders); H. Zinsser, J. F. Enders, L. D. Fothergill, Immunity Principles and Application in Medicine and Public Health (Macmillan); R. W. Fairbrother, A Text-Book of Medical Bacteriology (W. Heinemann); T. M. Rivers, Viral and

Rickettsial Infections of Man (Lippincott); R. J. Dubos, Bacterial and Mycotic Infections of Man (Lippincott); F. M. Burnet, Virus as Organism (Harvard University Press).

DEPARTMENT OF BIOCHEMISTRY

Professors	D. L. Thomson, *Chairman* J. H. Quastel
Associate Professors	O. F. Denstedt R. D. H. Heard
Assistant Professor	K. A. C. Elliott
Sessional Lecturer	Judith Saffran

FIRST YEAR

BIOCHEMISTRY 1. Mon., Wed., Fri., at 9 a.m. (beginning in October).

1L. Laboratory: Six hours a week October to February

Professors Thomson and Heard

Textbooks: Bodansky, "Introduction to Physiological Chemistry" (Wiley); Cameron, "Text-book of Biochemistry" (Macmillan); Williams, "Text-book of Biochemistry" (van Nostrand); Schmidt and Allen, "Fundamentals of Biochemistry" (McGraw-Hill); Mitchell, "Text-book of Biochemistry" (McGraw-Hill).

This course consists of the courses numbered 31, 32 (Endocrinology) and 33 (Nutrition) listed in the Announcement of the Faculty of Arts and Science, which also lists more advanced courses offered by the Department.

DEPARTMENT OF HEALTH AND SOCIAL MEDICINE

Strathcona Professor	R. P. Vivian, *Chairman*
Assistant Professor	C. W. MacMillan
Lecturers	E. A. Blumenfeld H. E. Burke W. H. Cruickshank I. M. Rabinowitch Graham Ross Baruch Silverman Marian Wall

The instruction is designed to present to the undergraduate the social factors of particular importance in the practice of Medicine, stressing the role of Preventive Medicine and Public Health.

In the second year the subject matter covered includes Vital Statistics; principles of Communicable Disease Control, Sanitation, Environmental Hygiene; and the organization and activities of the Public Health Service, with a consideration of the problem of the non-communicable diseases. This is timed to coincide with complementary material presented by other Departments.

Field trips are undertaken to observe the control of water, milk, and food supplies. Demonstrations are given of the work of the Quebec Division of Industrial Hygiene. Exercise periods are held to provide a working knowledge of statistical procedure in Medical Statistics.

An examination (minor) is held at the end of the second year.

In the third year lectures are given to the class as a whole on Population influences and trends; the W.H.O.; the problem of medical care; public welfare, voluntary agencies, and the medical social worker; social security, health insurance, and medical economics.

Throughout the year concentrated courses of six weeks each with four half-day periods each week are conducted for a sixth of the class on a rotation basis.

Each of these courses covers the organization and administration of the Western Health District of the City of Montreal; the epidemiology and control measures for the more common communicable diseases including Tuberculosis and Venereal Disease; the work of the Provincial Public Health Laboratory is demonstrated, and the preparation of sera, vaccines, and toxoids observed; practice is obtained in the common immunological procedures; and community activities in Maternal and Child Hygiene, Industrial Medicine, Nutritional Education, Mental Hygiene, and Health Education are illustrated by the facilities in the community.

A final examination is held at the end of the third year.

TOXICOLOGY AND MEDICAL JURISPRUDENCE

A. TOXICOLOGY i. A series of 8 lectures on acute poisoning—(a) occurrence (b) modes of action of poisons and modifying factors (c) diagnosis and treatment of acute poisoning and (d) medico-legal considerations.

ii. A series of 4 lectures on industrial toxicology—(a) dusts, fumes, smokes, mists, fogs and vapours (b) metal fume fever (c) arsenic, lead and mercury (d) carbon monoxide (e) organic compounds—aliphatic and aromatic hydrocarbons—halogenated, nitro and amino derivatives (f) organic solvents (g) factors influencing selection of employees (h) early diagnosis of industrial poisoning.

B. JURISPRUDENCE: A series of 12 lectures on (a) legal status of physicians (b) obligation of doctor to state (c) professional secrecy—privileged communications (d) responsibility to patient—implied and expressed contracts (e) physical examinations, surgical operations and consent (f) malpractice—civil, criminal (g) legal procedures—coroner's court, other courts, medical witness (h) medico-legal aspects of death (i) personal identity in its medico-legal bearing (j) blood stains (k) wounds (l) pregnancy (m) abortion (n) infanticide (o) impotency and sterility (p) rape (q) medico-legal aspects of alcoholic intoxication (r) insanity.

Text and Reference Books: i. General: Buchanan, Text Book of Forensic Medicine and Toxicology; Glaister, Medical Jurisprudence and Toxicology; Kerr, Forensic Medicine; Littlejohn, Forensic Medicine; Gonzales, Vance and Helpern, Legal Medicine and Toxicology; McNally, Toxicology; Sydney Smith, Forensic Medicine; Sydney Smith and Glaister, Recent Advances in Forensic Medicine; Taylor, Principles and Practice of Medical Jurisprudence.

ii. Industrial Toxicology: Wampler, Principles and Practice of Industrial Medicine; Gafarer, Manual of Industrial Hygiene; Henderson and Haggard, Noxious Gases; Jacobs, Toxicity of Industrial Organic Solvents —Report No. 80, Medical Research Council, Industrial Health Research Board, G.B.; Hunter, Industrial Toxicology.

DEPARTMENT OF MEDICINE

Professors

J. S. L. BROWNE, *Chairman*
G. R. BROW
E. S. MILLS

Associate Professors

C. C. BIRCHARD
K. A. EVELYN
KEITH GORDON
JOSEPH KAUFMANN
E. H. MASON
I. M. RABINOWITCH
W. deM. SCRIVER

Assistant Professors

G. A. COPPING
NEIL FEENEY
W. H. P. HILL
MARTIN HOFFMAN
J. G. HOWLETT
D. S. LEWIS
LOUIS LOWENSTEIN
J. F. McINTOSH
H. S. MITCHELL
J. H. PALMER
BRAM ROSE
V. SCHENKER
F. MacI. SMITH
C. J. TIDMARSH
S. R. TOWNSEND
ELEANOR VENNING

Lecturers

J. L. Adams
M. Aronovitch
C. S. Barker
R. C. Bennetts
E. H. Bensley
J. O. W. Brabander
H. E. Burke
R. A. Cleghorn
A. H. Fowler
G. W. Halpenny
W. R. Kennedy
W. G. McLellan
J. F. Meakins
D. L. Mendel
S. Ortenberg
C. J. Pattee
H. N. Segall
A. T. Thom
R. V. Ward
Paul Weil
G. E. Wight
H. P. Wright

Demonstrators

David Barza
F. M. Bourne
Parker Chesney
Wm. Cohen
H. I. Cramer
Basil Cuddihy
W. W. Eakin
Ray Forsey
Alex Gordon
R. G. M. Harbert
R. P. Howard
Louis Johnson
A. W. Lapin
A. C. Long
H. E. MacDermot
R. D. McKenna
Myron Notkin
George Shimo
C. B. Smith

Research Fellow — Hector Mortimer

Research Associates — Louis Johnson, K. R. MacKenzie

CLINICAL THERAPEUTICS

Assistant Professor — C. W. Fullerton

Lecturers — Guy Fisk, W. deM. Scriver

DERMATOLOGY

Clinical Professors — J. F. Burgess, L. P. Ereaux

Lecturers — F. Kalz, D. S. Mitchell, B. D. Usher

THE CURRICULUM IN THE DEPARTMENT OF MEDICINE

FOREWORD

The object of the following courses is to import a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease, to afford a knowledge of the technique, and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students, teachers and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and clinical lectures are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

REQUIRED COURSES

SECOND YEAR

COURSE II 1—INTEGRATION OF PHYSIOLOGY, BIOCHEMISTRY, AND ANATOMY WITH MEDICINE

Time—Last term of second year—two lectures a week and one amphitheatre clinic.

Place—Medical Building. Montreal Neurological Institute Theatre.

Subject Material—This course covers in a systematic manner the deviations from the normal of the physiological and biochemical functions. These are correlated so as to explain symptoms and signs which may be found on physical examination as detected by clinical methods dealt with in Course II 2. This course follows a chronological order from birth to old age and is so interpreted as to give the student a panoramic view of these disturbances with a proper perspective.

Professor Browne

COURSE II 2—A PRACTICAL COURSE IN CLINICAL METHODS

Time—Last term of second year.
Place—Outpatient Departments of the Royal Victoria and the Montreal General Hospitals.
Subject—Practical instruction 4 hours a week on Normal and Abnormal Physical Signs and one amphitheatre clinic.

COURSE II 3—LABORATORY DIAGNOSIS

Time—Last term of second year.
Place—Medical Building.
Subject—Instruction and practice 2 periods a week in microscopy as applied to clinical medicine.

Professor McIntosh and Assistants

THIRD YEAR

COURSE III 4—AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time—Once weekly throughout year.
Place—Alternately at the Royal Victoria and the Montreal General Hospitals.
Subject—Demonstration and discussion of cases illustrating certain disease processes.

COURSE III 5—BEDSIDE CLINICS AND PRACTICAL DEMONSTRATIONS

Time—Twice weekly during the medical trimester.
Place—Wards of the Royal Victoria and the Montreal General Hospitals.

COURSE III 6—CLINICO-PATHOLOGICAL CONFERENCE

Time—Weekly during the medical trimester.
Place—The Royal Victoria and the Montreal General Hospitals.

COURSE III 7—CASE REPORTING

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope and have access to all other Laboratory and X-Ray findings.

COURSE III 8—A PRACTICAL COURSE IN DISEASES OF METABOLISM

Time—Weekly during the medical trimester.
Place—Royal Victoria and the Montreal General Hospitals.
Subject—This course consists of weekly Ward Rounds in the two Hospitals.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting Medicine.

FOURTH YEAR

COURSE IV 9—AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time—Once a week throughout year.
Place—Alternately at the Royal Victoria and the Montreal General Hospitals.
Subject—Demonstration and discussion of cases illustrating more complicated cases as compared to the third year.

COURSE IV 10—BEDSIDE CLINICS AND PRACTICAL DEMONSTRATION

Time—Twice weekly during medical quarter.
Place—Wards of the Royal Victoria and the Montreal General Hospitals

DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

Professor of Neurology and Neurosurgery	WILDER PENFIELD, *Chairman*
Associate Professor of Neurosurgery	WILLIAM CONE
Associate Professor of Neurology	DONALD MCEACHERN
Research Fellow (Faculty of Graduate Studies and Research)	BORIS BABKIN
Assistant Professors of Neurology	FRANCIS MCNAUGHTON ARTHUR W. YOUNG
Assistant Professor of Neurosurgery	ARTHUR ELVIDGE
Assistant Professor of Neurological Radiology	DONALD MCRAE
Assistant Professors of Experimental Neurology	K. A. C. ELLIOTT HERBERT JASPER ROY L. SWANK
Lecturers in Neurology	JOHN KERSHMAN J. PRESTON ROBB
Lecturers in Neurosurgery	HAROLD W. ELLIOTT W. KEASLEY WELCH
Lecturer in Neuroanatomy	JERZY OLSZEWSKI
Demonstrators in Neurology	C. MILLER FISHER D. LLOYD-SMITH G. M. SHY
Demonstrators in Neurosurgery	MAITLAND BALDWIN FRANCIS H. O'BRIEN
Demonstrators in Neuropathology	IGOR KLATZO ROBERT A. SEARS

Fellows of the Montreal Neurological Institute

Alec. S. Barnum	Eric Peterson
A. V. Bird	Bernard Pertuiset
Samuel Brendler	R. Rabinovitch
Wukkuan H. Feindel	Victor Reyes
H. F. Flanigin	Gilbert Rinfret
W. F. Gerber	H. Lamar Roberts
*R. G. Ginde	Harold Rosen
John Hunter	T. J. Speakman
R. C. Lewis	J. Stoll
C. L. Li	J. G. Stratford
Birger Kaada	D. B. Tower
Otto Magnus	J. M. Van Buren
Sean Murphy	

*Indian Government Fellowship

OUTLINE OF COURSES

SECOND YEAR

2A (Anatomy 2) NEUROANATOMY. Lectures and Laboratory. Department of Anatomy. *Professor McNaughton and Dr. Fisher*

2B NEUROLOGICAL ASPECTS OF PHYSIOPATHOLOGY. 3 lectures. Department of Medicine. *Professors McNaughton and Jasper*

2C PHYSICAL EXAMINATION OF THE NERVOUS SYSTEM. 2 theatre clinics. Department of Medicine (1 at M.G.H., 1 at R.V.H.). *Dr. Robb*

THIRD YEAR

3A SURVEY OF NEUROLOGY AND NEUROSURGERY. 24 lectures. Saturdays, 8:45-9:40. M.N.I. Amphitheatre. *Professors Penfield and McNaughton*

FOURTH YEAR

4A NEUROLOGICAL AND NEUROSURGICAL CLINICS. 20 theatre clinics. Saturdays, 10:00-11-00. M.N.I. Amphitheatre. *Professors Cone and McEachern*

4B-1 NEUROLOGICAL O.P.D. R.V.H. Outpatient Department. Monday and Thursday*, 2:00-3:00. *Professor McEachern and Assistants*

4C-1 NEUROLOGY WARD CLASSES. Department of Medicine. Wednesdays, 8:45-9:45 (R.V.H. group). *Professor Young*

*Two Thursdays per month only.

4B-2 & 4C-2 COMBINED NEUROLOGICAL O.P.D. AND WARD CLASSES. M.G.H. Mondays and Fridays, 2:00-3:00 (M.G.H. group).
Professor McNaughton and Assistants

4D-1 NEUROSURGERY WARD CLASSES. Department of Surgery. M.N.I. (R.V.H. group). Mondays, 1:00-2:00.
Professor Cone and Assistants

4D-2 NEUROSURGERY WARD CLASSES. Department of Surgery. M.N.I. (M.G.H. group). Thursdays, 1:00-2:00.
Professor Elvidge and Assistants

4E-1 NEUROLOGY SEMINAR. R.V.H. Outpatient Department. Tuesdays, 3:45-4:45. *Professor McNaughton and Dr. Robb*

4E-2 NEUROLOGY SEMINAR. M.G.H. Outpatient Department. Fridays, 3:00-4:00. *Professor McNaughton and Dr. Robb*

ELECTIVE COURSES

A. SEMINAR IN NEUROANATOMY. M.N.I. 4 hours weekly (12 weeks).

1. Lectures, demonstrations, and discussions.

2. Construction of brain model by selected group.

Two evenings, beginning in November.
Professor McNaughton

B. SEMINAR IN NEUROPHYSIOLOGY. M.N.I. 3 hours weekly (12 weeks). Laboratory demonstrations, lectures, and discussions. Mondays, 5-6 and 8-10, beginning in November.
Professor Jasper and Dr. Babkin

C. COLLOQUIUM IN CLINICAL NEUROLOGY. 1 hour weekly. Clinics and lectures. Wednesdays, 5 p.m., M.N.I. *Professor McNaughton*

D. COLLOQUIUM IN NEUROSURGERY AND ELECTROENCEPHALOGRAPHY. M.N.I. 1 hour weekly. Fridays, 4 p.m. (10 months).
Professors Penfield and Jasper

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

Professor	N. W. PHILPOTT, *Chairman*
Associate Professor	A. D. CAMPBELL
Assistant Professors	W. A. G. BAULD
	J. S. HENRY
	P. J. KEARNS
	G. C. MELHADO
	G. A. SIMPSON

Lecturers

J. E. Ayre
W. R. Foote
K. T. MacFarlane
G. B. Maughan
I. Y. Patrick
Eleanor Percival
D. W. Sparling
George Strean
Clifford Ward

Demonstrators

Grace Donnelly
Simon Gold
M. Hendelman
J. P. A. Latour
H. T. Lyon
J. L. Macarthur
Thomas Primrose

The entire course is arranged on the basis of imparting a practical knowledge of Obstetrics, Gynæcology, and the Care of the New-born. The value of intimate contact with the patient in the normal and the pathological state is stressed.

The privilege of serving as an interne in the hospital for two weeks treating the patients from the time of admission till discharge from hospital is an ideal arrangement. Rooms are provided in the Women's Pavilion where the students may reside, in groups of six, during this period.

REQUIRED COURSES

SECOND YEAR—

Sixteen lectures are given as an introduction to the subject. These lectures are relative to the anatomy and physiology of the genital tract. The physiology of pregnancy is also described. *Professor Philpott*

THIRD YEAR—

OBSTETRICS

1. Twenty-eight lectures to teach the fundamentals of pregnancy, labour and the puerperium. *Senior members of the Staff*

2. Eighteen demonstrations of obstetrical palpation and manikin instruction to illustrate the diagnosis and management of normal and abnormal presentations. *Professor Simpson and Assistants*

3. Six clinics in the caseroom or wards to teach the care of the patient in the hospital. *Professor Simpson and Assistants*

4. Six classes to demonstrate the care of the newborn.
Professor G. Ross and Assistants

5. Six lectures to present the development of the genital tract with its histopathology. The development of the embryo.
Professor Kearns and Assistants

GYNAECOLOGY

1. Five lectures to describe the more common gynæcological diseases.
Professor Campbell and Assistants

2. Thirty-six demonstrations or lectures at the bedside, in the operating theatre, or in the outpatient department, to illustrate the diagnosis and treatment of gynæcological patients.
Professor Campbell and Assistants

FOURTH YEAR—

OBSTETRICS

1. Thirty-four clinical conferences to illustrate the management of the obstetrical complications. *Professor Philpott*

2. Group ward rounds once a week to present the current interesting cases. *Professor Philpott*

3. Thirty-two hours in bedside clinics and the caseroom to teach the management of the obstetrical patient. *Senior members of the Staff*

4. Facilities are presented for attending sixteen antenatal clinics.
Members of the Staff

GYNAECOLOGY

1. Twelve bedside clinics to be given in the gynæcology wards.
Senior members of the Staff

2. Eight lecture-demonstrations in Gynæcological Pathology.
Professor Kearns and Staff

3. Eight hours of clinical instruction are given in the diagnosis and treatment of genital cancer. *Professor Bauld and Assistants*

4. Facilities are extended for attending sixteen gynæcology outpatient clinics. *Members of the Staff*

Obstetrics Text and Reference Books: Beck, Obstetrical Practice; De Lee-Greenhill, Principles and Practice of Obstetrics; Johnstone, Textbook of Midwifery; Scott and Wan Wyck, The Essentials of Obstetrics and Gynæcology; Stander, Textbook on Obstetrics; The Ten Teachers, Midwifery.

Gynæcology Text and Reference Books: Curtis, Textbook of Gynæcology; Grossen, Textbook of Gynæcology; Kennedy-Campbell, Vaginal Hysterectomy; Novak, Textbook of Gynæcology; Shaw, Wilfred, Textbook of Gynæcology; Ten Teachers, Diseases of Women.

DEPARTMENT OF OPHTHALMOLOGY

Professor	G. STUART RAMSEY, *Chairman*
Assistant Professor	J. ROSENBAUM
Lecturers	B. ALEXANDER
	K. B. JOHNSTON
	J. V. V. NICHOLLS
	R. J. VIGER
Demonstrators	L. S. S. KIRSCHBERG
	D. W. MCDONALD

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practicioner, embraces the following courses in the third and fourth year of the Medical course:—

THIRD YEAR

1. ROUTINE EXAMINATION OF THE EYE

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.....

2. LECTURE DEMONSTRATIONS TO ENTIRE CLASS

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the final year.

Ten hours.....

FOURTH YEAR

CLINICAL OPHTHALMOLOGY

This teaching is conducted in the Ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals. The class is divided into groups of ten, each group receiving twenty-five hours instruction. Ocular problems that are of greatest moment in general practice are

discussed. This includes the external diseases of the eye, the main ophthalmological findings in systemic disorders, affections of the nervous system, and as far as possible a co-relation of the clinical and histological ocular changes.

Textbooks: May, Gifford, Parsons, Berens.

Reference books: Duke-Elder.

DEPARTMENT OF OTO-LARYNGOLOGY

Professor	D. H. Ballon, *Chairman*
Assistant Professors	A. O. Freedman
	K. O. Hutchison
	W. J. McNally
	G. E. Tremble
Lecturers	E. E. Scharfe
	E. A. Stuart
Demonstrators	H. E. McHugh
	F. W. Shaver

Instruction in Oto-Laryngology is given to students of the third and fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

THIRD YEAR

A course of 7 demonstrations is given to students of the Third Year. These demonstrations deal with the normal anatomy of the ear, nose, and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose, and throat. Ward rounds are made to illustrate the pre- and post-operative methods of treatment.

Lecture Course:

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the œsophagus.

FOURTH YEAR

Sixteen clinical demonstrations are given in the out-patient departments and wards of the hospital. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

Text and Reference Books: Ballenger, A Manual of Otology, Rhinology and Laryngology (Macmillan); Geo. D. Wolfe, Ear, Nose and Throat (Lippincott); W. Wallace Morrison, Diseases of the Nose, Throat and Ear (McAinsh); Jackson and Jackson, Diseases of the Nose, Throat and Ear (W. B. Saunders); Chevalier Jackson, Bronchoscopy, Oesophagoscopy and Gastroscopy (W. B. Saunders); Sir St. Clair Thomson and Negus, Diseases of the Nose and Throat (McAinsh); D. H. Ballon, Chapters on Bronchoscopy and Oesophagoscopy in Surgical Diseases of the Chest by Evarts A. Graham, J. J. Singer, Harry C. Ballon (Lea & Febiger).

DEPARTMENT OF PAEDIATRICS

Professor — Alton Goldbloom, *Chairman*

Associate Professor — S. G. Ross

Assistant Professors — A. K. Geddes; Alan Ross; Jessie Scriver

Lecturers — H. L. Bacal; B. Benjamin; P. N. MacDermot; E. M. Worden

Demonstrators

H. Friedman-Brickman; R. L. Denton; S. I. Doubilet; Eleanor Harpur; Arnold Johnson; D. Klein; Frances McCall; D. R. McCrimmon; J. H. O'Neill; F. Shippam; S. J. Usher; Isobel Wright

REQUIRED COURSES

1. LECTURES

(a) An Introductory course of 12 lectures in the winter term of the second year covering physical and mental development of the infant and child, the bases of nutritional requirements of the growing child, mineral and water metabolism, the embryology of congenital defects.

(b) A series of 36 lectures once weekly during the third year designed to cover the various aspects of Diseases of Children; Nutrition, Hygiene, Infections, Communicable Diseases, Preventive Medicine, etc.

Professor Goldbloom and Staff

2. DISEASES OF THE NEWBORN: ROYAL VICTORIA MATERNITY PAVILION

A weekly clinic-demonstration to groups of students of the third year during their obstetrical quarter.

Professors Goldbloom, G. Ross, Geddes, A. Ross, and Scriver, and Dr. Worden

3. CLINICAL PAEDIATRICS

(a) During the third year the class is divided into groups, each group devoting the mornings of six weeks to clinical instruction at the Children's Memorial Hospital.

(b) Groups during the final year will spend four weeks entirely at the Children's Memorial Hospital as clinical clerks under tutors—3 or 4 students to each tutor. Work will be divided between the wards and the out-patients department.

Professors Goldbloom, G. Ross, A. Ross, and Geddes, and Staff

(c) Care and feeding of the normal infant, immunization procedures, preventive pædiatrics; Child Welfare Clinics.

Professor Scriver, and Drs. Usher, Doubilet, and Benjamin

(d) Infectious Diseases.

A series of demonstrations to groups of students on the common infectious diseases is given at the Alexandra Hospital as part of the instruction of the final year. *Dr. Worden*

Textbooks: Holt and McIntosh, Diseases of Infancy and Childhood; Mitchell and Nelson, Diseases of Infants and Children; Porter and Carter, Management of the Sick Infant and Child; Smith, Physiology of the New Born Infant; Bakwin, Psychologic Care During Infancy and Childhood.

Reference Books: Brenneman, Practice of Pædiatrics (4 volumes); Parsons and Barling, Diseases of Infancy and Childhood (2 volumes); Langdon, Home Guidance for Young Children; Abt, Pædiatrics (8 volumes); Still, Common Disorders and Diseases of Childhood; John Thomson, Clinical Study and Treatment of Sick Children; Von Reuss, Diseases of the New Born; Gesell, The Embryology of Behaviour; Patten, Human Embryology; Brown and Tisdall, Common Procedures in Pædiatrics: Goldbloom, Care of the Child.

DEPARTMENT OF PARASITOLOGY

Professor	T. W. M. Cameron, *Chairman*
Associate Professor	M. J. Miller
Assistant Professor	Donald Fairbairn
Lecturers	L. P. E. Choquette E. Munroe

REQUIRED COURSES

SECOND YEAR

2A. HUMAN PARASITOLOGY

This course on the animal parasites of man (protozoa, helminths, and arthropods) comprises about 50 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics, and pathogenesis as well as to the more important animal vectors of disease. Exotic forms are more briefly discussed. In the practical class, each student examines all the important species as well as the lesions caused by them.

First term—Two lectures and one laboratory period per week.

ELECTIVE COURSES

The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers diadactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research).

Textbook: T. W. M. Cameron, The Parasites of Man in Temperate Climates (2nd edition).

DEPARTMENT OF PATHOLOGY

Strathcona Professor	G. Lyman Duff, *Chairman*
Professor	Theo R. Waugh
Assistant Professors	Robert H. More J. E. Pritchard
Lecturers	M. B. MacKenzie W. H. Mathews W. E. Toreson F. W. Wiglesworth D. C. Wilson

Demonstrators	F. A. JAFFE J. D. RUBLEE
Sessional Demonstrator	M. A. SIMON
Fellows	J. W. BAWDEN S. BENCOSME C. J. JONES R. M. LEVINE

REQUIRED COURSES

1. COURSE IN GENERAL PATHOLOGY (SECOND YEAR)

A. Two lectures per week (with epidiascopic and microscopic demonstrations) during the Autumn and Winter terms (48 lectures). *Professors Duff and More*

B. Practical laboratory classes during the Autumn and Winter terms (72 hours practical work). *Dr. Toreson and Demonstrators*

2. COURSE IN SPECIAL PATHOLOGY (THIRD YEAR)

A. Two lectures per week during the Autumn, Winter, and Spring terms (72 lectures). *Professors Duff, Waugh, and More, and Lecturers*

B. Two practical laboratory classes per week during the Winter and Spring terms (96 hours practical work). *Professor Duff and Staff*

C. One demonstration of gross pathological material per week to students in small groups of 15 each, during Autumn, Winter, and Spring terms (36 hours). *Lecturers and Demonstrators*

3. COURSE IN APPLIED PATHOLOGY (THIRD AND FOURTH YEARS)

A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter, and Spring terms (54 hours). *Professor Duff*

B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter, and Spring terms. Time according to material.

Pathological Institute	*Professor Duff and Dr. Wilson*
Montreal General Hospital	*Professor Pritchard and Dr. Mathews*
Children's Memorial Hospital	*Dr. Wiglesworth*

Textbooks: Anderson, Pathology (Mosby); Bell, Text-Book of Pathology (Macmillan); Boyd, Text-Book of Pathology (Lea & Febiger); Karsner,

Human Pathology (Lippincott); MacCallum, Text-Book of Pathology (Saunders); Moore, Text-Book of Pathology (Saunders); Muir, Text-Book of Pathology (Arnold).

Reference Books:

General: Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Forbus, Reaction to Injury (Williams & Wilkins); Reimann, Kaufmann's Pathology (Blakiston); Smith and Gault, Essentials of Pathology (Appleton Century); Ewing, Neoplastic Diseases (Saunders); Willis, The Pathology of Tumours (Butterworth).

Special: Naegeli, Blutkrankheiten und Blutdiagnostik (Julius Springer); Whitby and Britton, Disorders of the Blood (Churchill);

Biggart, Pathology of the Nervous System (Livingstone); Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders);

Novak, Gynæcological and Obstetrical Pathology (Saunders);

Geschikter and Copeland, Tumours of Bone (American Journal of Cancer);

Farber, The Post Mortem Examination (Charles Thomas); Mallory, Pathological Technique (Saunders); Saphir, Autopsy Diagnosis and Technique (Hoeber).

DEPARTMENT OF PHARMACOLOGY AND THERAPEUTICS

Professor	R. L. Stehle, *Chairman*
Professor of Therapeutics	D. S. Lewis
Associate Professor of Pharmacology	K. I. Melville
Assistant Professor of Pharmacology	————
Lecturer in Therapeutics	W. de M. Scriver

PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

REQUIRED COURSES

1A. PHARMACOLOGY

The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The

chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Two lectures a week during the Autumn and Winter terms supplemented by one conference and one demonstration a week. Second year.

The conference groups are limited to four students each.

Professors Stehle, Melville, and ————

1B. PHARMACOLOGICAL LABORATORY

The experiments are chosen to illustrate the lecture course.

One period (three hours) a week during the Autumn and Winter terms. Second year. *Professors Stehle, Melville, and* ————

THERAPEUTICS

The teaching of therapeutics will be closely linked with that of medicine.

REQUIRED COURSES

2. PRESCRIPTION WRITING

Three lectures. *Dr. Scriver*

3A. THERAPEUTICS

Didactic Instruction. A series of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

3B. THERAPEUTICS

Theatre lectures. Eight clinical lectures to be given in the hospitals during the year in conjunction with the teaching of the Department of Medicine.

Professor Lewis and Associates

Textbooks in Pharmacology: Cushny, Sollmann, Thienes.

Textbooks in Therapeutics: Bastedo, Beckman, Goodman and Gilman.

OPTIONS

Suitably prepared students may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

DEPARTMENT OF PHYSIOLOGY

Joseph Morley Drake Professor	F. C. MacIntosh, *Chairman*
Professor	A. S. V. Burgen
Associate Professors	B. D. Burns
	Norris Giblin
Assistant Professors	Simon Dworkin
	Hugh Stansfield
	Kathleen G. Terroux
Lecturer	A. L. Johnson
Demonstrator	Helen A. Henrikson

REQUIRED COURSES

1. FIRST YEAR LECTURES

Tuesday, Thursday, Saturday, at 9 a.m. (beginning in October).

1P. FIRST YEAR LABORATORY

Six hours a week during last 16 weeks.

Textbooks:

Systematic Physiology—Human: Howell, Textbook of Physiology; Starling (and Evans), Human Physiology; MacLeod (and Bard), Physiology in Modern Medicine.

Clinical Physiology: Samson Wright, Applied Physiology; Wiggers, Physiology in Health and Disease; Best and Taylor, Physiological Basis of Medical Practice.

OTHER COURSES

(Available only for students who have obtained Honours in the required courses, and by application to the Chairman of the Department.)

3. ADVANCED LECTURERS

3P. ADVANCED LABORATORY

DEPARTMENT OF PSYCHIATRY

Professor	D. E. Cameron, *Chairman*
Associate Professors	Miguel Prados
	Baruch Silverman
Assistant Professors	
R. A. Cleghorn	A. E. Moll
F. R. Hanson	G. E. Reed
R. B. Malmo	Karl Stern

Lecturers

T. E. Dancey
A. A. MacKay
C. Hershon
C. H. Skitch
H. Lehman

Demonstrators

Saul Albert
Jacques Beaubien
Carlos Bos
Walter Bremner
Elliott Emmanuel
Frank Gelbman
B. F. Graham
R. Hartogs
L. G. Hisey
M. Saffran
M. Straker
J. S. Tyhurst

REQUIRED COURSES

1. PHYSIOBIOLOGY—A course of twelve lectures will be given in the first year. In this course, the various aspects of human behaviour will be stressed, with special reference to their relationship to medicine.
Professor Cameron

2. PSYCHIATRY—Eighteen lectures on the basic behavioral disorders will be given. During the second year both those disorders which require hospitalization and those which can be dealt with on an ambulant basis will be considered. *Professor Reed and Assistants*

3. 70 hours of clinical instruction will be given during the third year. This instruction will be held primarily on the wards of the teaching hospitals and in the Out-Patient Departments.
Professors Cameron, Prados, and Moll, and Dr. Dancey

4. A course of eight lectures will be given on child psychiatry during the fourth year. *Professor Silverman*

5. Clinical demonstrations, out-patient instruction and ward rounds will be held during the fourth year. Certain of these will be devoted to early behavioral disturbances, psychosomatic and toxic states, and drug addictions. *Professors Cameron, Stern, and Cleghorn*

6. Instruction will be given in adult out-patient psychiatry in the Psychiatric Outdoor Department in the Royal Victoria Hospital, and in child out-patient psychiatry at the Mental Hygiene Institute.
Professors Prados and Silverman

7. Instruction in the care of long term cases, and institutional psychiatry, will be given at the Allan Memorial Institute and Verdun Protestant Hospital. *Professor Reed and Drs. Skitch and Lehman*

DEPARTMENT OF RADIOLOGY

Professor	CARLETON B. PEIRCE, *Chairman*
Associate Professor	JOSEPH W. MCKAY
Assistant Professors	J. J. L. BOUCHARD D. L. MCRAE
Demonstrators	N. M. BROWN E. F. CRUTCHLOW A. M. EDINGTON G. I. NORTON

FIRST YEAR

In co-operation with the Department of Anatomy, demonstrations are given of the roentgenologic anatomy of the skeletal, respiratory, gastro-intestinal, and urogenital systems, including fluoroscopic demonstrations of functional anatomy of joints, the thoracic viscera, and the alimentary tract.

Professor Peirce and Staff

SECOND YEAR

INTRODUCTION TO RADIOLOGY

In co-operation with the Department of Medicine (Course II 2) as an introduction to special methods in Physical Diagnosis, the various means of radiologic examination are demonstrated to small groups of students in the Montreal General Hospital and the Royal Victoria Hospital. The fluoroscopic and roentgenographic methods of study of the cardio-respiratory and gastro-intestinal systems especially are compared with the clinical means in physical examination.

Professors Peirce and McKay and Staff

THIRD YEAR

III ROENTGEN PATHOLOGY AND RADIATION THERAPY

A course of 24 lectures presenting the general features of roentgen interpretation, systemic roentgen pathology and the principles of roentgen and radium therapy.

Professors Peirce, McKay, Bouchard, and McRae, and Staff

FOURTH YEAR

IV CLINICAL RADIOLOGY

IV (1) Conference periods, two hours weekly each quarter during which the students in the several teaching hospitals discuss clinical case material with the Members of the Department.

Professors Peirce, McKay, Bouchard. and McRae, and Staff

IV (2) Tumour Conference. The final year students are expected to attend the Tumour or Neoplasm Clinics and Conferences in the several teaching hospitals, wherein the various means of diagnosis and treatment of malignant neoplasm are considered by representatives of the several departments of the teaching staffs, and their experience reviewed.

POST-GRADUATE INSTRUCTION

DIPLOMA IN RADIOLOGY

Details of the Post-Graduate course leading to the Diploma in Radiology of the Faculty of Medicine may be obtained from the Dean's Office or the Chairman of the Department.

Post-graduate training prerequisite to certification in the specialty by the Royal College of Physicians and Surgeons (Canada) or the American Board of Radiology is available in the teaching hospitals to selected graduates of approved Faculties or Schools of Medicine.

Text and Reference Books: Sante, Principles of Roentgenological Interpretation; Holmes and Ruggles, Roentgen Interpretation; Rigler, Outline of Roentgen Diagnosis; Hodges, Lampe and Holt, Radiology for Medical Students; Shanks, Kerly and Twining, Text Book of Radiology; Golden (et al), Diagnostic Radiology; Pancoast, Pendergrass and Schaeffer, Head and Neck in Roentgen Diagnosis; Kohler, Roentgenology; Wessen and Ruggles, Urological Roentgenology; Barclay, The Digestive Tract; Pohle, Theoretical Principles of Roentgen Therapy; Glasser, Quimby, Taylor and Weatherwax, Physical Foundations of Radiology.

DEPARTMENT OF SURGERY

Professors G. Gavin Miller, *Chairman*
R. R. Fitzgerald

Associate Professors

J. C. Armour
H. M. Elder
D. E. Ross
A. L. Wilkie

Assistant Professors

H. L. Dawson
C. M. Gardner
J. C. Luke
C. A. McIntosh
S. J. Martin
H. S. Morton
H. F. Moseley
Albert Ross
P. G. Rowe
A. J. Stewart

Lecturers

H. A. Baxter
S. G. Baxter
H. S. Dolan
John Gerrie
Mark Kaufmann
G. D. Little
D. W. MacKenzie, Jr.
E. A. McNaughton
H. G. Pretty
A. M. Vineberg
D. R. Webster

Demonstrators

F. D. Ackman
A. R. Bazin
E. H. Cayford
W. M. Couper
G. A. Holland
R. M. Lawson
C. K. McLeod
W. W. Ruddick
J. C. Sutton
F. W. Woolhouse

ORTHOPAEDIC SURGERY

Assistant Professors

J. G. Petrie
J. G. Shannon

Demonstrators

W. G. Breckenridge
A. A. Butler
J. J. Dinan
S. E. Goldman
G. H. Raymond
J. A. L. Walker

UROLOGY

Clinical Professors

R. E. Powell
E. S. Smith

Lecturers

A. B. Hawthorne
S. A. MacDonald
R. G. Reid
M. I. Seng

Demonstrators

J. T. MacLean
Max Ratner
Alex. Strasberg
A. M. J. Tanney

REQUIRED COURSES

SECOND YEAR

Surgical teaching begins in the Winter term (24 weeks) of the second year. In this year special attention is directed to the instruction and training of the student in proper methods of physical examination from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

2A. A COURSE OF LECTURES (22) covering the history of Surgery and an introduction to the study of surgical diseases.

2B. GROUP CLASSES in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

THIRD YEAR

The student comes into a more intimate contact with the patients, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, and assists at operations.

*3A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals, one day a week throughout the year.

3B. GROUP WARD CLASSES in the Montreal General and the Royal Victoria Hospitals, twice a week during the term.

3C. CASE REPORTING. Patients are allotted to students who act as reporters, dressers, and assistants at operations.

FOURTH YEAR

*4A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals alternately, once a week throughout term.

4B. GROUP WARD CLASSES AND WARD ROUNDS in the Montreal General and Royal Victoria Hospitals, four times a week during the surgical quarter.

4C. CASE REPORTING

4D. CLINICO-PATHOLOGICAL CONFERENCES once a week during the term' jointly with the Department of Pathology, at the Montreal General and Royal Victoria Hospitals.

SURGICAL DISEASES OF CHILDREN

Instruction in the surgical diseases of children is given during the trimester in which the students are assigned to pædiatrics at the Children's Memorial Hospital, as follows:

4A. AMPHITHEATRE CLINICS once a week throughout trimester.

4B. GROUP WARD CLASSES three times a week throughout trimester.

ORTHOPAEDIC SURGERY

FOURTH YEAR

4A. CLINICAL LECTURES. A course of 8 lectures given at the hospitals.

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*Amphitheatre Clinics 3A and 4A are so arranged that all surgical subjects are presented during the two year course.

4B. WARD CLASSES at the Montreal General and Royal Victoria Hospitals, once a week during the surgical trimester.

4C. GROUP CLASSES IN THE OUT-DOOR DEPARTMENT of the Montreal General and Royal Victoria Hospitals, twice a week during the surgical trimester.

ANAESTHESIA

Students are given practical instruction in the administration of anæsthetics, during their surgical trimesters in the third and fourth years at the Montreal General and Royal Victoria Hospitals.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology, and Bacteriology.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

UROLOGY

SECOND YEAR

2A. CLINICAL UROLOGY

Group classes, 4 demonstrations, in which instruction in methods of Urological examination is given in the Montreal General and Royal Victoria Hospitals. (See Surgery—2B.)

FOURTH YEAR

4A. CLINICAL LECTURES. A course of theatre clinics in each of the hospitals.

4B. UROLOGICAL CLINICS. Ward classes.

The Montreal General Hospital—3 classes a week.
Royal Victoria Hospital—3 classes a week.

4C. CASE REPORTING IN UROLOGICAL WARDS

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics, and demonstrations and group teaching in the wards and out-patient departments of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

Textbooks:

1. *General Surgery:* John Homans, A Text-book of Surgery; C. C. Choyce, A System of Surgery; Gask and Wilson, Surgery; Hamilton Bailey, Demonstrations of Physical Signs in Clinical Surgery; Christopher;

Cole and Elman; Romanis and Mitchener; Handfield, Jones and Porrett, The Essentials of Modern Surgery; Rose and Carless, Manual of Surgery; Berman, Synopsis of Principles of Surgery; Pack and Livingston, Treatment of Carcinoma; Christopher, Minor Surgery.

2. *Emergency Surgery:* John W. Sluss, Manual of Emergency Surgery; Cole and Puestow, Advanced First Aid.

3. *Surgical Anatomy:* McGregor, Synopsis of Surgical Anatomy; Treves, Surgical Applied Anatomy.

4. *Fractures and Dislocations:* Charles L. Scudder, Treatment of Fractures; Wilson and Cochrane, Fractures and Dislocations; Magnuson, Fractures; Stimson, Manual of Fractures and Dislocations; Wilson, Management of Fractures; Key and Conwell, Fractures and Dislocations; Watson Jones, Fractures and other Bone and Joint Injuries; Key and Conwell, Fractures, Dislocations and Sprains; Eve, Handbook of Fractures.

5. *Case Reporting:* J. Renfrew White, The Clinical Examination of Surgical Cases; Geckeler, Fractures and Dislocations.

6. *Urology:* Eisendrath and Rolnick, Urology; Herman, Practice of Urology; Hinman, Principles and Practice of Urology; Keyes and Ferguson, Urology; Young, Practice of Urology; Le Comte, Manual of Urology.

7. *Orthopædic Surgery:* Whitman, Orthopædic Surgery; Jones, Orthopædic Surgery of Injuries; Jones and Lovett, Orthopædic Surgery; Mercer, Orthopædic Surgery; Willis Campbell, Orthopædic Operations; Sever, Handbook of Operative Surgery; Steindler, Orthopædic Operations.

GRADUATE INSTRUCTION

1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.

2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is $30.00 a term (10 weeks).

A Diploma in Public Health and a Diploma in Tropical Medicine and Hygiene are granted by McGill University.

These courses are conducted by the Department of Health and Social Medicine with the collaboration of other departments in the Faculty of Medicine and the assistance of members of other faculties in the University who have a special interest in this field. Practical instruction and application are made possible through the co-operation of the Department of Health of Montreal and voluntary health agencies.

The Department of Health and Social Medicine is housed in its new quarters at 490 Pine Avenue West, within easy access of the Medical Building. The building contains ample accommodation for lectures seminars, and demonstrations. In addition to the excellent facilities of the Library of the Faculty of Medicine, which are at the disposal of students, the Department has its own library and reading-room. The building is also the headquarters of the Student Health Service.

DIPLOMA OF PUBLIC HEALTH

The course is designed to train graduates in medicine in the increasingly wider concept of the public health service. It includes:

SOCIOLOGY, with special reference to the practice of Medicine;

STATISTICAL METHODS from the point of view of providing an understanding of the fundamental principles of statistics as they are applied to medical science for the critical analysis of surveys and reports; instruction is given in carrying on research involving statistical techniques;

VITAL STATISTICS, including Biometrics, stressing the importance of the accurate recording of essential data, observations, and other findings, together with their practical significance and application;

EPIDEMIOLOGY as defined in its broadest sense, including communicable disease control and the assessment of morbidity in non-communicable diseases;

PUBLIC HEALTH LAW and its administration;

HYGIENE OF THE ENVIRONMENT, including Sanitation, Housing, and Nutrition; Physiological Hygiene;

INDUSTRIAL TOXICOLOGY AND INDUSTRIAL HYGIENE;

HYGIENES (Physical and Mental): Maternal, Infant, Pre-School, School, and Adult;

BACTERIOLOGY, PARASITOLOGY, AND IMMUNOLOGY, as related to public health practice;

SOCIAL AND ECONOMIC FACTORS IN HEALTH; programmes designed to deal with them;

PUBLIC HEALTH PRACTICE: The organization and administration of public health programmes, including Preventive Medicine, especially as

they pertain to the public health agency, the family physician, and the social worker;

FIELD WORK: A period of three months' approved field work must be undertaken before the Diploma is granted. Facilities are available in fields of special interest, such as Tuberculosis, Venereal Disease, School Health, etc.

Candidates for the Diploma of Public Health must be graduates in Medicine of a recognized university.

The Diploma in Public Health course covers one academic year from September to April, with three months' additional field work.

The Fee for the Diploma of Public Health is $250.00, a portion of which—$25.00—the candidate is requested to deposit on acceptance of his application. Application must be made before June 1st.

DIPLOMA OF TROPICAL MEDICINE AND HYGIENE

Tropical Medicine is coming to occupy a prominent place in medical education in North America as a direct outcome of the war and the rapid advance of aeroplane travel.

The present course in Tropical Medicine is a development of the short course given during the war to members of the armed forces. It has been revised and adjusted to post-war conditions.

The course of didactic instruction occupies a full academic year. Classes for the first term are in common with those for the Diploma in Public Health. Those for the second term are held at the Institute of Parasitology at Macdonald College of McGill University. The teaching collection at the Institute is a large and representative one. The work is practical as well as theoretical, and includes a study of Parasitology and Medical Entomology, laboratory diagnoses of tropical and sub-tropical diseases, and lectures on the diseases of the tropics, on tropical hygiene, and minor sanitation.

Clinical instruction must, of necessity, be limited in temperate climates. This aspect is, therefore, deferred to the final part of the course which is given in the tropics at the conclusion of the didactic instruction. The course consists of clinical and field work for which arrangements have been made with Georgetown, British Guiana, Port of Spain, Trinidad, and Venezuela.

Candidates for the Diploma of Tropical Medicine and Hygiene must be graduates in medicine of a recognized university. Certain additional courses may be required of those who are not recent graduates or of those who have not had sufficient clinical practice.

The Fee for the Diploma of Tropical Medicine and Hygiene is $250, or $50.00 if preceded by the D.P.H. course at McGill University, or $100.00 for those who have taken the D.P.H. elsewhere.

Application must be made prior to June 1st.

BUILDINGS

THE MEDICAL BUILDING

This building, erected in 1911, contains the Offices of Administration, the Medical Library (with its 74,000 volumes, its Reading Rooms, and their complete set of technical journals), the Department of Anatomy, and the Museums of Anatomy and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The laboratories for Histology and Embryology have excellent facilities with space for 120 students, and smaller rooms for research.

THE BIOLOGICAL BUILDING

Completed in 1922, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Genetics, Biochemistry, Physiology, and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital and the Montreal Neurological Institute by tunnels, is situated on the northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and

includes a Pathological Museum and museum workshops. It combines under one roof quarters for teaching and research in these departments, and it provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neuro-surgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, and laboratories for treatment and study of diseases of the nervous system, the building provides facilities for graduate study and research in the related fields of basic science.

THE ALLAN MEMORIAL INSTITUTE

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building has been reconstructed to permit of the establishment of a fifty bed unit, together with extensive research laboratories, and was officially opened July 12th, 1944. Plans have been drawn up for the carrying out of undergraduate and post-graduate teaching in the Faculty of Medicine.

THE DONNER BUILDING

The Donner Building for Medical Research, adjacent to the Medical Building, was completed in September 1948. Its erection was made possible through the generosity of William H. Donner of Philadelphia, the founder of the International Cancer Research Foundation, who provided the funds necessary for the construction of a building entirely devoted to medical research.

This building houses the Maxwell Lauterman Laboratories for Experimental Surgery and laboratories for Cytology, Experimental Psychology, and Dentistry.

HOSPITALS

Few medical schools on this continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:

Royal Victoria Hospital
Montreal General Hospital
Children's Memorial Hospital
Alexandra Hospital for Infectious Diseases
Verdun Protestant Hospital
Royal Edward Laurentian Hospital
Royal Victoria Montreal Maternity Hospital

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical Faculty. These affiliated hospitals contain over 3,000 beds.

THE ROYAL VICTORIA HOSPITAL, in juxtaposition to the University buildings, comprises the following units under one administration:

1. The Royal Victoria Hospital proper, or the Main Building;
2. The Ross Memorial Pavilion for private patients;
3. The Women's Pavilion—Royal Victoria Montreal Maternity;
4. The Allan Memorial Institute.

The total bed complement is 739, with 96 bassinets. Admissions total approximately 17,500 and confinements are in excess of 3,000 a year. There are some 50,000 visits annually to the Out-Patient Department. The University Clinic was established in 1924 and has facilities for both clinical laboratory work and research.

Post-mortems total 55 per cent of the deaths.

The number of resident physicians is 96.

THE ROYAL VICTORIA - MONTREAL MATERNITY PAVILION. with 214 beds for obstetrical and gynæcological cases. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for over 3,000 confinements in the Hospital. In the gynæcological section, over 2,000 cases are admitted during the year.

There are ten resident physicians.

THE MONTREAL GENERAL HOSPITAL, CENTRAL AND WESTERN DIVISIONS is a general hospital of 650 beds for the treatment of acute diseases. For

the calendar year ended December 31st, 1948, there were approximately 14,000 admissions, while out-patient consultations for the same period approximated 167,000. The resident and interne staff numbers 80.

The "Montreal General" was founded in 1821 on its present site; two smaller buildings downtown had preceded it in 1816 and 1819. In actual age, therefore, it is not by any means the oldest hospital in Canada, but its record in clinical teaching is easily the longest on the North American continent.

As soon as the Hospital opened, its staff began to arrange for students and, in 1824, they opened the first Medical School in Canada, the Montreal Medical Institution, with 25 students. Their teaching was carried on partly at the Hospital.

It was this School which agreed to form the Medical Faculty of McGill University in 1828. The University at that time had practically no students of any kind, and as it was required by the terms of the McGill bequest that teaching should begin before 1829, on penalty of losing the estate, The Montreal Medical Institution, with its ready-made course, came as a salvation. That was the beginning of the long and intimate association between the Hospital and the University.

THE CHILDREN'S MEMORIAL HOSPITAL has 185 public beds, and, in a typical year, admitted 4,000 patients. The attendance at its out-door department totalled over 40,000 visits. This hospital admits all classes of cases of disease in children except pulmonary tuberculosis and the communicable diseases, and enables students to get a broad concept of pædiatrics.

There were 111 autopsies in a typical year, which represented 84.6% of all deaths.

The number of resident physicians is 40.

THE ALEXANDRA HOSPITAL FOR INFECTIOUS DISEASES, opened in 1906, with modern wards, cubicles, and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are three wards for the treatment of tuberculosis in children. There are 150 beds (including 50 for tuberculosis) and the average yearly admissions range between 1,500 and 2,000.

There is a resident senior physician and there are three junior physicians.

THE VERDUN PROTESTANT HOSPITAL has 1,100 beds.

THE ROYAL EDWARD LAURENTIAN HOSPITAL (MONTREAL DIVISION), 3674 St. Urbain Street, consists of a large anti-tuberculosis dispensary and a 52-bed hospital unit designed and equipped for thoracic surgery.

Its objectives are the study, prevention, and cure of tuberculosis. This Hospital, along with its Laurentian Division (located in Ste. Agathe des Monts) offers students excellent opportunities to obtain instruction in all aspects of chronic pulmonary disease, more particularly pulmonary tuberculosis.

THE MEDICAL LIBRARY

Honorary Librarian R. L. STEHLE

The Library occupies the central front section of the medical building. It contains more than 74,000 bound volumes and an extensive collection of pamphlets, theses, government publications, and other items.

On the third floor are the pleasant, well-lighted reading room capable of accommodating seventy-five readers, and the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library—ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes, some dating back to the sixteenth century. Among the books and journals the ophthalmological section, due in large measure to many gifts from the last Dr. Casey A. Wood, is excellent.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7:30 to 10 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

Librarian W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 9,500 volumes, occupies a large room, beautifully equipped, on the third

floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death (Bibliotheca Osleriana, Clarendon Press, Oxford, 1929, xxxvi, 785 pp.).

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

1. THE McGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:

(1) To transact all matters of business connected with the undergraduate body.

(2) To stimulate interest along medical lines.

(3) To assist students to express themselves in public with facility.

(4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter, and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate, and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the third and fourth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

3. THE OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.

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